

Typhoon Fitow Disaster Response Report – 2nd Report

Central Emergency Operation Center
Data as of 06.10.2013 10:00

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 09:00 on October 6, the typhoon center was located at 25.7 degrees north latitude and 123.7 degrees east longitude, placing it out at sea approximately 230 km east-northeast 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 a rate of 15 km/h in the west-northwest direction. The latest update indicated that the typhoon center is out at sea east-northeast of Taipei and continuing to move in the west-northwest direction. The storm circle now covers northeastern and northern Taiwan while the wind and rain in northern and northeastern Taiwan is continuing to gain in strength, posing a threat to northern Taiwan, Yilan, Hualien and Mazu. Keelung, New Taipei, Taipei, Taoyuan, Hsinchu, Maoli, Taichung Yilan, Hualien and Mazu 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. All coastal regions of Taiwan are seeing stronger winds and higher waves than usual accompanied by heavy gusts. Long waves have also appeared at Dongsha Island, while Taiwan's northern and eastern coasts have experienced strong gusts as well. Due to the effect of Typhoon Fitow today (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 will experience localized very heavy rain or torrential rain. The mountain areas in the north, northeast, east and south have a chance of experiencing very heavy rain or torrential rain. Please watch out for landslides, falling rocks, debris flows and flash floods. Low-lying regions should take precautions against flooding. Extremely torrential rains: Taipei City, New Taipei City, Taoyuan County, Hsinchu County, Miaoli County, and Yilan County. Torrential rains: Taichung City, Nantou County. Spring tide is currently in effect so low-lying areas 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 10/6 09:00)

Area	Rainfall (mm)
Niaozuishan, Jianshi Township, Hsinchu County	384
Tonghou, Wulai District of New Taipei City	267
Xiapeng, Wulai District of New Taipei City	248
Tai-an, Tai-an Township, Miaoli County	245
Taigenan, Wufeng Township of Hsinchu County	238

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	35	2	9	6	1	2	41	-
Total	65	3	19	6	1	2	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

2013/10/06 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
77	712	68	670	9	42	0	0	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	3648	2930	718	Regions with power outages: Shiding District and Xizhi District of New Taipei City
	Gas	0	0	0	
National Communications Commission	Telecommunications (Fixed line)	0	0	0	
	Telecommunications (Cell station)	0	0	0	

(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	Provincial Highway 7 Luofu-Xicun 22.6 K ~ 61K + 500: As the outer cloud system of Typhoon Fitow's storm circle may bring torrential rains to

				the northern mountains, preventive road closure was implemented for safety reasons due to the chance of falling rocks and landslides.
(Self) Adopted County Roads	0	0	0	
Township Road	1	0	1	Yilan County Road 51 012K+000: Preventive 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 50 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 94 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
Location					
Pre-deployed Personnel	94 people	0 people	0 people	0 people	94 people
Pre-deployed vehicles	3 types, 13 vehicles	0 types, 0 vehicles	0 types, 0 vehicles	0 types, 0 vehicles	3 types, 13 vehicles