

# Typhoon Fung-Wong Disaster Response Reports — 4<sup>th</sup> Report

Central Emergency Operations Center  
Data as of 2014/09/21 11:30

## 1. Typhoon Summary (Data source: Central Weather Bureau)

A sea warning for weak typhoon Typhoon Fung-wong was issued at 08:30 on September 19, 2014. At 20:30 on the 19<sup>th</sup>, a sea and land warning was issued. At 11:30 on the 21<sup>st</sup>, the position of the center was latitude north 22.1 degrees and longitude east 120.9 degrees, that is, around 20 kilometers to the north of Eluanbi. The radius of the Force 7 storm circle is 150 km and it is predicted to move NNE turning north at 20 kmh turning 25 kmh. Near the center the wind speed is 25 metres per second (around 90kmh), equal to Force 10; the gusts are up to 33 metres per second (around 119 kmh), equal to Force 12. It is projected that the center's position will be latitude north 26.9degrees and longitude east 121.6degrees at 11:00 on September 22, that is, around 210 kilometers to the north of Taipei. The latest weather data shows that the center of Typhoon Fung-wong passed over Eluanbi at 10:00 today (21) and is continuing to move NNE. The storm circle is now over the land areas of south and southeast Taiwan and wind and rain are intensifying all over. Land warning area: Everywhere in Taiwan Taitung (including Green Island and Orchid Island) and Penghu should take precautions against strong winds and very heavy rain. The sea warning area: Ships passing through or working in coastal waters around Taiwan and in the Dongsha sea area should be on guard. Affected by peripheral air currents there is a chance of torrential rain or extremely torrential rain in the southeast of Taiwan, the south, the east, the mountains of the northeast and the mountains north of Taichung, very heavy rain or torrential rain in the east and north, heavy rain or very heavy rain in central Taiwan, and heavy rain in Penghu and Matsu from today evening today (21) and precautions should be taken. Taitung County, Hualien County, Yilan County, Pingtung County, Kaohsiung City, Tainan City, Chiayi County, Nantou County, Taichung City, Miaoli County, Hsinchu County and New Taipei City are all in the extremely torrential rain area; Taipei City, Taoyuan County and Yunlin County are in the torrential rain area. Wind and rain will gradually intensify all over. Objects hanging outside shop signs, feces and scaffolding should be secured and pots on balconies put in a safe place. Drains should be cleared. Landslips, rock falls, debris flows and flashfloods in mountain area and inundation in low-lying areas should be strictly guarded against. Care should be taken with regards rising river levels and the public should steer clear of mountain areas and rivers. The heaviest rainfall between 00:00 on September 19 to 10:00 on the 21<sup>st</sup> fell on Xidawu Mountain in Pingtung County which saw cumulative rainfall of 681 mm and Jinfeng in Taitung County which had 540mm; the strongest winds were recorded on Orchid Island (Force 12), Pengjia Islet (Force 11) and Hengchun and Matsu (10).

## 2. Disaster Information

### A. Cumulative Rainfall

(Data source: Central Weather Bureau, Department of Transportation and Communication)

(Statistics from Sep. 19, 2014 00:00am~ Sep. 21, 2014 09:00am)

Area	Cumulative Rainfall(mm)
Pingtung County, Taiwu Township, Mt. XiDawu	611
Taitung County, Jinfeng Township, Jinfeng	473
Pingtung County, Chunrui Township, Mt. Dahan	418

### B. Wind speed (Data source: Central Weather Bureau, Department of Transportation and Communication)

Area	Gusts (Force)
Taitung County, Lanyu Township, Lanyu (Orchid Island)	12
Keelung City, Zhongzheng District, Pengjiayu	11
Pingtung County, Hengchun Township, Hengchun	10
Lianjiang County, Nangan Township, Matsu	10
Yilan County, Suao Town, Suao	10



	debris flow	Located	Located	debris flow	Located	Located	debris flow
Taipei City	0	0	0	0	0	0	0
New Taipei City	0	0	0	0	0	0	0
Taichung City	0	0	0	0	0	0	0
Tainan City	0	0	0	0	0	0	0
Kaohsiung City	85	6	29	0	0	0	85
Taoyuan County	0	0	0	0	0	0	0
Hsinchu County	0	0	0	0	0	0	0
Miaoli County	0	0	0	0	0	0	0
Nantou County	0	0	0	0	0	0	0
Changhua County	0	0	0	0	0	0	0
Yunlin County	0	0	0	0	0	0	0
Chiayi County	0	0	0	0	0	0	0
Pingtung County	64	9	36	0	0	0	64
Yilan County	0	0	0	0	0	0	0
Hualien County	91	6	31	0	0	0	91
Taitung County	157	13	59	3	1	2	160
Keelung City	0	0	0	0	0	0	0
Hsinchu City	0	0	0	0	0	0	0
Chiayi City	0	0	0	0	0	0	0
Total	397	34	155	3	1	2	400

Note: Response to alert

1.Yellow alert (predicted rainfall higher than the mudslide warning base value: Local government should begin to persuade potentially at risk people to leave.

2.Red alert (actual rainfall reached the mudslide warning base value) : Local government should, in accordance with the actual rainfall and situation in each area, carry out forced evacuation.

#### D. Mountain climber contact

(Data Source: National Police Agency, Ministry of the Interior)

Applied For Entering Mountain Areas		Persuaded to not Enter Mountain Areas		The Action for People Already Enter the Mountains								Have not Yet Been Contacted	
				Already descended		Safe accommodation in mountains		Contacted and Sheltering on the Spot		Now descending			
Case	Person	Case	Person	Case	Person	Case	Person	Case	Person	Case	Person	Case	Person
626	4215	375	2757	244	1376	7	82	0	0	0	0	0	0

(Note: People who have not been contacted means the climbers have not contacted with rangers, family members, or police departments for more than 48 hours after entering mountain areas. This statistical data is filled in and reported by National Police Agency, Ministry of the Interior after collecting and arranging Ministry of Education, and Construction and Planning Agency Ministry of the Interior statistical data.)

#### E. Ensnoced Fishermen from Mainland China

(Data source: Council of Agriculture of Executive Yuan)

Time	Ensnoced on Boats	Ensnoced in Coastal Shelters	Total
2014/09/21 09:55	1106	462	1568
2014/09/20 07:40	1079	298	1377

2014/09/19 20:47	892	196	1088
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#### F. Cities/Counties where schools and offices have been closed

(Data Source: National Fire Agency, Ministry of Interior)

At present schools and offices are open in Keelung City, New Taipei City, Taoyuan County (apart from Fuxing Township), in Hsinchu County (apart from Wufeng and Jianshi townships), Hsinchu City, Miaoli County, Kinmen County and Lienchiang County, the other counties and cities have announced the closure of offices and schools.

#### G. Disaster relief personnel, equipment and mission implementation situation

(32 disaster affected residents rescued, 6590 rescue personnel, 226 rescue vehicles and 0 ships/boats dispatched)

Directly-controlled municipality/ City / County	Number of people trapped	Number of people rescued	Rations transported (servings)	Mobilized personnel (times)										Rescue equipment dispatched			
				Total	National Fire Agency	Volunteer Firefighter	Private rescue group	Volunteer Special Task Search Team	Police	Volunteer Police	Military	Civil Defense	Others	Various vehicle (times)	Ships/boats (times)	Helicopter (flights)	Others
Total	0	32	0	6590	376	171	0	3	5404	491	659	227	37	2226	0	0	
Taipei City	0	0	0		63	0			680	0	0	0	35	428	0	0	0
Kaohsiung City	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Taipei City	0	0	0	127	0	127	0	0	0	0	0	0	0	46	0	0	0
Keelung City	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yilan County	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taoyuan County	0	0	0	888	60	0	0	0	828	0	0	0	0	288	0	0	0
Hsinchu County	0	0	0	45	15	0	0	0	0	0	30	0	0	7	0	0	0
Miaoli County	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taichung City	0	31	0	147	37	0	0	0	54	0	56	0	0	14	0	0	0
Changhua County	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nantou County	0	0	0	283	98	36	0	3	80	36	30	0	0	0	0	0	0
Yunlin County	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Chiayi County	0	0	0	706	38	2	0	0	575	55	4	30	2	158	0	0	0
Chiayi City	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pingtung County	0	1	0	1473	44	0	0	0	1278	69	36	46	0	406	0	0	0
Hualien County	0	0	0	234	0	0	0	0	0	0	234	0	0	16	0	0	0
Taitung County	0	0	0	2687	21	6	0	0	1909	331	269	151	0	862	0	0	0

#### 4. Evacuation and Shelter Status

##### A. Evacuated people (Data Source: Department of Civil Affairs, Ministry of Interior)

Directly-controlled municipality/ City / County	Estimated number of evacuated people	Number of Evacuated People	Accumulative number of Evacuated People
Yilan County	4	4	4
Nantou County	115	174	174
Yunlin County	266	31	31
Chiayi County	7	7	7
Pingtung County	545	504	504
Taitung County	142	145	145
Hualien County	1306	724	724
Taichung City	12	12	12
Tainan City	77	77	77
Kaohsiung City	1065	1065	1065

Total	3539	2743	2743
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## B. Shelter situation

### Shelter (Data Source: Ministry of Health and Welfare)

No.	City / County	District/Township	Shelter	Time established	Current Number of People Sheltered			Accumulative number of People Sheltered			estimated no. of days supplies will last and number of people provided for	
					Total	Male	Female	Total	Male	Female	Number of people	days
Total					963	489	474	985	503	482	2188	239
1	Kaohsiung City	Niaosong Dist.	Renmei Village Activity Center	2014/09/20 21:00	1	1	0	1	1	0	7	5
2	Kaohsiung City	Yanchao Dist.	14 people have taken shelter in Gangshan Veterans' Home. Taoyuan District: 8 dialysis patients, 4 family members, one seriously ill patient, and a driver	2014/09/20 17:25	14	6	8	14	6	8	0	0
3	Kaohsiung City	Mituo Dist.	District office	2014/09/20 17:46	4	4	0	4	4	0	5	3
4	Kaohsiung City	Qishan Dist.	23 people and one person from Cuiwen Rest Home in the 3 <sup>rd</sup> floor Zhongshan Hall of district office	2014/09/20 10:06	21	10	11	23	11	12	50	3
5	Kaohsiung City	Liugui Dist.	Total 29 people sheltered in Liugui Social Welfare Hall—Baolai village-1, Xinfu village 3, Xinglong village 17, Wenwu village 8	2014/09/20 15:00	29	11	18	29	11	18	0	0
6	Kaohsiung City	Liugui Dist.	Zhongxing Community Activity Center	2014/09/20 20:36	12	4	8	12	4	8	0	0
7	Kaohsiung City	Liugui Dist.	Laonong Disaster Prevention Education Center	2014/09/20 20:40	42	23	19	42	23	19	0	0
8	Kaohsiung City	Jiaxian Dist.	Yuan Song Tai Zu Temple	2014/09/20 17:30	6	2	4	6	2	4	0	0
9	Kaohsiung City	Shanlin Dist.	Jilai Activity Center	2014/09/20 17:15	5	4	1	5	4	1	25	3
10	Kaohsiung City	Shanlin Dist.	Baishuiquan Activity Center	2014/09/20 17:31	19	11	8	19	11	8	12	3
11	Kaohsiung City	Maolin Dist.	Fengshan City Farmers' Association Maolin Office	2014/09/20 19:21	89	44	45	89	44	45	0	21
12	Kaohsiung City	Taoyuan Dist.	Mashuhuoer Cultural Assembly Hall	2014/09/20 19:49	26	18	8	26	18	8	0	0
13	Yilan County	Wujie Township	3 <sup>rd</sup> floor of Wujie Township Office	2014/09/20 19:00	3	1	2	3	1	2	0	0
14	Taichung City	Heping Dist.	Fushoushan Farm	2014/09/20 14:30	12	7	5	12	7	5	0	0
15	Chiayi County	Fanlu Township	Senior Activity Center	2014/09/20 17:55	1	1	0	1	1	0	20	14
16	Tainan City	Nanhua Dist.	Nanhua District Office	2014/09/20 18:30	1	1	0	1	1	0	25	10
17	Pingtung County	Manchu Township	Changle Elementary School	2014/09/20 19:01	69	35	34	69	35	34	100	14
18	Pingtung County	Laiyi Township	Xinlaiyi Activity Center	2014/09/20 22:36	2	2	0	4	3	1	300	14
19	Pingtung County	Shizi Township	Caopu Village Activity Center	2014/09/20 17:27	5	3	2	5	3	2	30	14
20	Pingtung County	Mudan Township	Gaoshi Elementary School	2014/09/20 19:00	5	3	2	5	3	2	100	14
21	Pingtung County	Mudan Township	Gaoshi Elementary School Mulin Campus	2014/09/20 19:09	3	1	2	3	1	2	100	14
22	Hualien County	Hualien City	Gangtian Temple	2014/09/20 18:03	4	1	3	4	1	3	40	5
23	Hualien County	Fenglin Township	3 <sup>rd</sup> floor meeting room of Fenglin Township Office	2014/09/20 15:50	14	7	7	14	7	7	46	5
24	Hualien County	Xincheng Township	Xincheng Township Library	2014/09/20 19:51	1	1	0	1	1	0	30	3
25	Hualien County	Jian Township	Shengan Temple	2014/09/20 19:00	20	9	11	20	9	11	100	5
26	Hualien County	Guangfu Township	Daxing Elementary School	2014/09/20 19:43	172	92	80	172	92	80	128	0
27	Hualien	Fengbin	Fengbin Middle School	2014/09/20	33	17	16	33	17	16	33	3

	County	Township		16:51								
28	Hualien County	Fengbin Township	Xinshe Elementary School General Classroom	2014/09/20 17:54	32	14	18	32	14	18	25	3
29	Hualien County	Sioulin Township	Heping Activity Center	2014/09/20 12:00	40	18	22	40	18	22	70	3
30	Hualien County	Sioulin Township	Heipng Taipower Shelter	2014/09/20 12:00	41	17	24	41	17	24	250	3
31	Hualien County	Sioulin Township	Zhumin Elementary School	2014/09/20 21:30	6	5	1	6	5	1	70	3
32	Hualien County	Sioulin Township	Tongmen Shelter	2014/09/20 12:00	31	18	13	31	18	13	50	3
33	Hualien County	Wanrong Township	Xilin Community Activity Center	2014/09/20 10:15	2	1	1	2	1	1	0	0
34	Hualien County	Wanrong Township	Mingli Community Activity Center	2014/09/20 10:18	5	3	2	5	3	2	0	0
35	Hualien County	Wanrong Township	Jianqing Elementary School	2014/09/20 10:21	30	16	14	30	16	14	0	0
36	Hualien County	Zhuoxi Township	Gufeng Elementary School	2014/09/20 18:19	0	0	0	12	7	5	30	1
37	Hualien County	Zhuoxi Township	Lunshan Elementary School	2014/09/20 18:16	12	6	6	12	6	6	50	2
38	Hualien County	Zhuoxi Township	Zhuole Activity Center	2014/09/20 18:18	11	4	7	11	4	7	50	2
39	Taitung County	Taitung City	Malan Veterans Home	2014/09/20 12:21	6	3	3	6	3	3	6	7
40	Taitung County	Luye Township	Rueiyuan Rueilong Aboriginal Cultural Meeting House	2014/09/20 21:22	34	14	20	34	14	20	34	3
41	Taitung County	Taimali Township	Jinlun Village Activity Center	2014/09/20 19:33	12	7	5	12	7	5	68	6
42	Taitung County	Taimali Township	Xianglan Activity Center	2014/09/20 22:34	0	0	0	6	5	1	30	6
43	Taitung County	Dawu Township	Daniao Primary School, Aiguopu Campus	2014/09/20 15:15	39	19	20	39	19	20	30	3
44	Taitung County	Ludao Township	Nanliao Village Office	2014/09/20 21:53	4	1	3	4	1	3	50	7
45	Taitung County	Haiduan Township	Haiduan Township Nursery	2014/09/20 16:38	3	1	2	3	1	2	50	13
46	Taitung County	Jinfeng Township	Jialan Village	2014/09/21 07:38	6	4	2	6	4	2	100	7
47	Taitung County	Daren Township	Ansuo Meeting hall	2014/09/20 18:57	7	2	5	7	2	5	44	7
48	Taitung County	Daren Township	Daren Township Tuban Nursery	2014/09/20 20:00	29	17	12	29	17	12	30	7

## 5. Disaster statistics

### A. Death and injury (Data source: National Fire Agency, MOI)

No deaths or injuries

### B. Transport situation (Data source: Ministry of Transportation and Communications)

#### (1) Closed bridges (Data Source: Ministry of Transportation and Communications)

Item	Total Closed (Location)	Reopened (Location)	Closed (Location)	Noted
National Highway	0	0	0	
Provincial Highway	1	0	1	Wutai Guchuan Bridge at Provincial Highway 27K+800~32K+000 closed preventively from 21:00 on the 20 due to fears that wind shear produced by strong winds will threaten the safety of drivers.
(Self) Adopted County Road	0	0	0	
Township Road	0	0	0	
Native village main access	0	0	0	

Route				
Agricultural Route	0	0	0	
City Road	0	0	0	
Total	1	0	1	

**(2) Cancelled railway service ( Data source: Ministry of Transportation and Communications)**

NO.	Time	Line	Service	Reason	Note	Report Time
1	09/21 09:30	South Link Line, Taitung Line	All services suspended before 18:00	Affected by the typhoon		09/21 09:55
2	09/21 09:30	Pingtung Line (Kaohsiung-Fangliao) and all branch lines	Some local trains will operate flexibly depending on the wind and rain situation	Affected by the typhoon		09/21 09:58
3	09/21 09:30	West Main Line (Keelung to Pingtung)Yilan Line, North Link Line	From 12:00 normal operations resumed	Affected by the typhoon		09/21 09:51
4	09/21 09:30	Alishan Mountain Railway	All class of train suspended on September 21 and 22.	Affected by the typhoon		09/21 10:01

**(3) Air flight Cancellation Situation (Data Source: Ministry of Transportation and Communications)**

Up to present 232 domestic flights have been cancelled; 96 international flights have been cancelled.

**6. City and County Emergency Operations Support situation**

**A. Emergency force preparation (Data source: Ministry of National Defense)**

The first emergency response force has 800 people and can be deployed within 10 minutes of being ordered; the second response force of 1200 persons can be deployed within three hours of being ordered.

Table of military emergency response forces of various combat zones on main island Taiwan				
Area	3rd combat zone (North)	5th combat zone (Central)	4th combat zone (South)	2nd combat zone (East)
First emergency response force	200 people	200 people	200 people	200 people
Place	North Region	Central Region	South Region	East Region
Total	800 people			
Second response force	300 people	300 people	300 people	300 people
Place	North Region	Central Region	South Region	East Region
Total	800 people			

**B. Military personnel deployed in high risk areas in advance (Data source: Ministry of National Defense)**

The military has deployed 36515 servicemen and 3851 vehicles of 19 types in advance in high risk areas.

Table of Military Disaster Response Forces in Each Combat Area					
Area	3rd Combat A <sup>rea</sup> (North)	5th Combat A <sup>rea</sup> (Center)	4th Combat A <sup>rea</sup> (South)	2nd Combat A <sup>rea</sup> (East)	Total
Location	North Region	Central Region	South Region	East Region	
Number of forward personnel	7549 Persons	3184 Persons	23584 Persons	2153 Persons	36515 Persons
Number of vehicles in place	1585 vehicles of 5 types	422 vehicles of 5 types	1416 vehicles of 5 types	428 vehicles of 4 types	3851 vehicles of 19 types

**7. Others**

**About the abandoned ship off Pingtung County**

(Data Source: Ministry of Transportation and Communications)

1.The Maritime and Port Bureau, MOTC, the *Coast Guard* Administration (CGA) and the Environmental Protection Administration have established a response team and are keeping abreast of the ship's situation at all times.

2.A CGA helicopter inspection has shown that the ship is unmanned. It (no ship name) is thought to have drifted in from the open sea. At present there is no sign of pollution.

3.The Maritime and Port Bureau is continuing to instruct the coastal radio station to broadcast the position the ship and call on vessels to avoid sailing through this area to avoid a collision.

4.At present the waves large are too large to attempt to salvage the ship. Helicopter inspection shows that the ship has no hatch covers and the cargo hold is taking on water. It is thought that the ship will either sink or run aground during the typhoon

5.EPA has an oil containment boom and other emergency response equipment in place at the 63<sup>rd</sup> Coastal Patrol Corp base at Nanren Fishing harbor for use as required.

6.The MOTC has checked ship registration records for almost the last 20 years but has been unable to find any information about this ship. Identifying the owner will also be very difficult.

7.At 03:18 the Coastguard reported that the vessel had begun to drift northwest from its position at 22°02`N, 120°54`E and it then ran aground again about 1.5 nautical miles north of Chufengbi (120°53` E , 22°03).