

# 1011 Torrential Rain - Disaster Response Report (Flood)

Report Unit: Central Disaster Emergency Operations Center

Data Statistics Deadline: 10/14/2017 21:30

## I. Summary of Disaster (Data Source: Water Resources Agency, Ministry of Economic Affairs)

As recorded, cumulative flood disaster at 41 sites; 34 sites among them with water retreated, 7 sites not retreated yet (1 site at Yilan County, 2 sites at Hualien County, 4 sites at Taitung County). Total 22313 households were electricity suspended once; at present, total 848 households electricity suspended (829 households at Sanzi Dist. and Tamsui Dist., New Taipei City, 19 households at Sofeng Township, Hualien County) and road collapsed that estimated to finish repair on Oct. 15, 2017 at midnight.

## II. Basic information of disaster

### 1. Rainfall (Data Source: Central Weather Bureau, Ministry of Transportation and Communications)

(Statistics from Oct. 14, 2017 at 00:00 to Oct. 14, 2017 at 21:30)

Regions	Rainfall ( mm )
Taiwu Township, Pingtung County	630.0
Yienping Township, Taitung County	421.0
Luye Township, Taitung County	361.0
Kimfeng Township, Taitung County	360.0
Beinan Township, Taitung County	342.5

### 2. River Water Level (Data Source: Water Resources Agency, Ministry of Economic Affairs)

Level 2 emergency alert: New Taipei City – Lan Shen Bridge, Sankueishan Bridge; Taitung County- Rueyyuan

Level 3 emergency alert: New Taipei City – Siolang Bridge

## III. Response Action

### 1. The established situation of Disaster Respond Centers in countries (Data source: Water Resources Agency, Ministry of Economic Affairs)

Category	Established	Names of country(ies) or county(ies)
Central	1	Central Emergency Operations Center
County/City	5	New Taipei City, Hsinchu County, Yilan County, Hualien County, Taitung County

### 2. Mudslide danger area distribution situation (Data source: Soil and Water Conservation Bureau, Council of Agriculture, Executive Yuan)

County/City	Mudflows and Landslides Alert Areas
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	Yellow Alert			Red Alert			Total	
	Potential mudslide rivers	Township Located	Village Located	Potential mudslide rivers	Township Located	Village Located	Potential mudslide rivers	Status
Yilan County	15	2	8	44	5	12	59	-
Keelung City	-	-	-	9	1	6	9	-
New Taipei City	4	2	3	16	3	8	20	-
Taitung County	13	3	4	145	13	55	158	-
Hualien County	35	4	13	133	10	52	168	Newly increased 4 alerts
Total	67	11	28	347	32	133	414	4

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.
3. Status: (+) indicates the number of increased entries; (-) indicates the number of decreased entries.

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

Table made: on Oct. 14, 2017

Applied For Entering Mountain Area		Persuaded not to Enter Mountain Areas		People who have entered mountains and contact made with (240 cases, 1607 persons)								Entered mountain area but no contact made with as yet	
				Already left mountains		In safe accommodation in mountain area		Taking shelter on the spot		Currently leaving mountain area			
case	person	care	person	case	person	case	person	case	person	case	person	case	person
605	3400	335	1656	135	758	54	577	10	50	41	222	30	137

(Note: "Haven't responded" referred to the hikers in the mountain haven't connected with personnel, family or police for over 48 hours. The form is filed and reported by National Police Agency and Construction and Planning Agency.)

### 4. Work and class suspension (Data source: world wide web of Directorate-General of Personal Administration, Executive Yuan)

Taitung County: This afternoon (14<sup>th</sup>), all county was at suspended class and work; on 15<sup>th</sup>, Hongyeh Village and Shia Li Area of Taoyuan Village, Yienping Township, Sanyeh Area of Nuansan Village will be at suspended class and work.

## IV. Evacuation and Capacity situations

### 1. Number of Evacuation (Data source: Interior Ministry Civil Affairs Department)

Municipal County/City	Estimated Evacuated Person	New Added Evacuated Person	Accumulated Evacuated Person
New Taipei City		114	122

Yilan County		124	128
Hualien County		276	282
Taitung County		31	31
Total		545	563

## 2. Capacity Situation

### (1) Refugee shelter (Data source: Ministry of Health and Welfare)

13 shelters accumulated with total 153 sheltered persons, at present, total 10 shelters and 127 persons took shelter in total.

Municipal County/City	District/Township	Shelter		Set up time (year, month, day, time)	Closed time (year, month, day, time)	Current Number of People			Accumulative Number of People			Current Condition of Provision Available		Is hot food continuing to be provided on the basis of a verbal contract or by private groups
		subtitle	Name of the Shelter			Total	Male	Female	Total	Male	Female	Person	Day	
New Taipei City	Sijhih Dist.	1	Fushing Hotel	2017/10/13 10:00		8	2	6	8	2	6	5	0	yes
New Taipei City	Sanzi Dist.	2	Yuansan Citizen Activity Center, Sanzi District Household Registration Center	2017/10/14 11:01		9	4	5	18	11	6	6	90	
Hualien County	Zhuoxi Township	2	Qingshui Activity Center, Zhuoxi Elementary Schol	20 7/10/13 22:15	2017/10/13 22:16	6	2	4	12	5	7	3	10	yes

Hualien County	Fenglin Township	1	Loho Hall	2017/10/14 16:46		12	5	7	12	5	7	1	12	
Hualien County	Yuli Township	1	Tungfeng Activity Center	2017/10/14 16:00		12	6	6	12	6	6	0	0	
Hualien County	Fengbin Township	1	Fengbin Township Library	2017/10/14 02:30		0	0	0	11	9	2	0	0	
Taitung County	Beinan Township	1	Taitung County Farmer's Association Tung Yio Chi Spring Resort	2017/10/14 15:30		3	1	2	3	1	2	0	0	
Taitung	Chisan	1	LIFE Resort	2017/10/14		4	3	1	4	3	1	0	0	

County	Township			16:00										
Taitung County	Yienping Township	1	Hongyeh Elementary School	2017/10/14 16:48		46	23	23	46	23	23	0	0	
Taitung County	Dawu Township	1	Aikuopu Branch School	2017/10/14 18:00		23	10	13	23	10	13	0	0	
Yilan County	Nanao Township	1	Nanao Township Household Registration Center	2017/10/14 17:00		4	3	1	4	3	1	7	100	yes
Total		13				127	59	68	153	78	74	22	212	

**(2) Residents sheltered in military bases (Data Source: Ministry of National Defense)**

0 settled person at 0 sheltered base.

**3. Relief Material Release (Data source: Ministry of Health and Welfare)**

None

**V. Disaster statistics**

**1. Death and injury (Data source: National Fire Agency, Ministry of the Interior)**

None

**2. Lifelines Damage (Data Source: Ministry of Economic Affairs, National Communication Commission)**

Unit	Item	Number Affected	Has been repaired (household, location)	Waiting to be repaired (household, location)	Note
Ministry of Economic Affairs	Tap Water	0	0	0	
	Electricity	22313	21465	848	(829 households at Sanzi Dist., and Tamsui Dist., New Taipei City and 19 households at Sofeng Township, Hualien County) with road collapsed.
	Gas	0	0	0	
NCC	Telephone (Local Telephone)	0	0	0	
	Telephone (Base Station)	0	0	0	

( Note: This table is compiled by the MOEA using NCC statistics. )

**3. Transport situation –**

(1) Highway situation – preventive closure at 8 sites, disaster closure at 2 sites.

(2) Railway situation – blocked railway has been repaired.

No	Category	Position of Route	County/City	Name of Nearby Place	Current Repair Measure (exact action)	Damaged Condition	Traffic Control Measure	Blocked Time	Exact Repaired Time
1	TRA	Sulin =Sanchia West Line	Sulin Dist., New Taipei City	Banchio Dist.	Electricity facility under repair	From 09:18, Sulin=Sudiou small shuttle line) tram line is broken and fallen. After emergent repair, it is repaired and at normal operation at 14:21.	Banchio = Sulin = Sanchia, east line, single direction drive	10/14/2017 09:18	10/14/2017 14:21
2	TRA	Rueyyuan~Kuansank131+700~k132+100	Luyeh Township, Taitung County	Kuansan Township	Work section staff is monitoring at site and waits for rain stop and water retreat.	Since flooded water is retreating gradually, the route will recover operation (10k/h slow drive)	Route recovers at 10k/h slow drive.	10/14/2017 12:24	10/14/2017 14:15

(3) Air flight service: delayed or suspended air transportation: domestic airline: 56 flights cancelled,0 delayed. International airline: 1 flight canceled, 2 flights delayed.

(4) Port and Sea shipment: on 14<sup>th</sup>, 70 shifts of sea shipment canceled; on 15<sup>th</sup>, 42 shifts canceled.

(5) Tourism: tourists were trapped

No	Place	Trapped Date/Time	Trapped Cause	Trapped Number	Countermeasures (exact action)	Note
1	Green Island	10/14/2017 14:44	Initially, Chen Shen Concert would be held on 14 <sup>th</sup> (at present, it's announced to prolong.) so ship is at normal operation before noon and stops at afternoon to cause that.	2660	At present, no food and accommodation problem, no need to accommodate and still under concern.	
2	Lanyu	10/14/2017 14:45	Ships to and fro between Taitung and Lanyu were canceled because of weather factor.	60	At present, no food and accommodation problems, no need to accommodate.	

(6) Situation of Drowned Areas (Data Source: Ministry of Economic Affairs)

Total 41 sites with accumulated water; 34 sites water retreated, 7 sites under handling (1 site at Yilan County, 2 sites at Hualien County and 4 sites at Taitung County).

Counties and Cities	Current Number of Counties/Cities	Total Disaster Number	Water Retreated (sites)	Water Not Retreated (sites)
Taipei City	1	2	2	0
New Taipei City	1	1	1	0
Yilan County	6	17	16	1
Hualien County	5	7	5	2
Taitung County	4	13	9	4
Hsinchu City	1	1	1	0
Total	18	41	34	7

#### 4. Water control facility damage and repair (Data source: Ministry of Economic Affairs)

Type of Facility	Number Damaged	Repair Completed	Under Repair	Note
River Wall	0	0	0	
Sea Wall	0	0	0	
Others	0	0	0	

#### V. Agriculture, forestry, fishing, animal husbandry product and equipment losses (Data source: Council of Agriculture of Executive Yuan)

None

#### VI. City and County Emergency Operations Support situation

##### 1. Support Situation of City and County Emergency Operations (Data Source: National Fire Agency, MOI)

Personnel, equipment, mission	Military
Mobilized personnel ( times )	72
Helicopter (flights)	0
Surveillance planes ( flights )	0
Various vehicle ( times )	1
Ships/boats(incl. inflatable boats)	0
Various types of vehicle	0
Number of people rescued	0
Materials transported (ton )	0
Rations transported (servings)	0
Earth, rock and trash removed (ton)	0
Area disinfected (square meters)	0

Note: the table's data is the accumulated numbers (Single newly added)

## 2. Emergency force preparation (Data source: Ministry of National Defense)

The first emergency response force has 800 people and can be deployed within 30 minutes of being ordered; the second response force of 800 persons can be deployed within 30 minutes of being ordered.

Table of military emergency response forces of various combat zones on main island Taiwan				
Area	3rd combat zone (North)	5 <sup>th</sup> combat zone (Central)	4th combat zone (South)	2nd combat zone (East)
First emergency response force	200	200	200	200
Place	Chungli Dist, Taoyuan City	Xinshe Dist., Taichung City	Chisan Dist., Kaohsiung City	Nanmeilun, Hualien County
Total	800 persons(standby force)			
Second response force	200	200	200	200
Place	Chungli Dist, Taoyuan City	Xinshe Dist., Taichung City	Chisan Dist., Kaohsiung City	Nanmeilun, Hualien County
Total	800 persons			

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

The military has deployed 50 servicemen and 0 vehicles of 0 types in advance in high risk areas.

Table of military personnel and vehicles deployed in advance in various combat zones on main island Taiwan					
Area	3rd combat zone (North)	5th combat zone (Central)	4th combat zone (South)	2nd combat zone (East)	Total
Place	stationed at Yilan area			Stationed at Hualien area	
Number of forward personnel	36 persons (Liaison Officer)			26 persons (Liaison Officer) 10 persons (dispatched force)	72 persons (Liaison Officer)
Number of vehicles in place				1 set	

## VII. Dispatch of helicopter to carry out a mission (Data source: National Rescue Command Center, Executive Yuan )

None

## VIII. Key response measures (Data source: Ministry of Economic Affairs)

1. Ministry of Economic Affairs has informed the River Bureau of Water Resources Agency and local governments to conduct water pump testing, preparation and pre-planned works and have finished the preparation of 1,017 sets of large moveable pumping machine in Taiwan.
2. Pre-laid 952 sets (681 sets at local and 271 sets at Water Resources Agency) shall be used and handled by the

local governments and dispatched to work according to local flood situations at all places.