

LegCo Question No. 18

Table 1

A breakdown of the number of fresh water mains burst cases by 18 District Council districts in 2008-09, 2009-10 and 2010-11

District Council district	2008-09	2009-10	2010-11
Kowloon City	43	32	22
Tai Po	17	9	19
Central & Western	38	31	11
Yuen Long	36	38	21
Tuen Mun	16	13	15
North	21	21	11
Sai Kung	87	23	11
Sha Tin	52	40	34
Eastern	17	12	12
Yau Tsim Mong	51	49	37
Southern	29	30	30
Tsuen Wan	3	3	2
Sham Shui Po	56	45	24
Wong Tai Sin	30	12	5
Kwai Tsing	43	23	18
Islands	19	12	0
Wan Chai	29	21	12
Kwun Tong	64	33	39
Total	651	447	323

— END —

(i) Details of the 10 cases with the longest duration of water supply suspension in 2008-09:

Date & Time	District	Pipe size (mm)	Time taken to isolate burst mains upon receipt of report (Hour)	Duration of suspension of water supply (Hour)	Provision of temporary water supply	Time taken to start providing temporary water supply after isolation (Hour)
14/4/2008 3:54	Wan Chai	300	1.10	26.00	Yes	2.00
26/4/2008 6:32	Yau Tsim Mong	300	0.72	18.08	Yes	2.57
6/7/2008 22:41	Eastern	150	0.82	30.25	Yes	0.33
29/7/2008 16:39	Kwun Tong	200	0.35	17.50	Yes	0
16/8/2008 2:27	Kwun Tong	150	1.05	26.83	Yes	-0.05 Note(1)
31/8/2008 3:54	Sham Shui Po	200	0.52	18.33	Yes	0.48
3/9/2008 11:09	Southern	150	0.68	18.50	Yes	2.67
9/9/2008 5:17	Wan Chai	150	1.22	17.75	Yes	2.50
30/10/2008 5:00	Eastern	150	1.50	19.25	Yes	0
23/12/2008 3:15	Wan Chai	150	1.17	21.50	Yes	0.67

(ii) Details of the 10 cases with the longest duration of water supply suspension in 2009-10:

Date & Time	District	Pipe size (mm)	Time taken to isolate burst mains upon receipt of report (Hour)	Duration of suspension of water supply (Hour)	Provision of temporary water supply	Time taken to start providing temporary water supply after isolation (Hour)
5/7/2009 4:56	Tsuen Wan	450	2.32	15.25	Yes	1.17
20/8/2009 23:42	Yau Tsim Mong	400	1.30	21.68	Yes	1.70
29/8/2009 15:07	Kwun Tong	250	1.30	13.58	Yes	1.70
28/9/2009 11:51	Tuen Mun	200	0.90	20.25	Yes	0.25
17/10/2009 3:38	Kwun Tong	400	1.53	14.67	Yes	-0.53 Note(1)
13/11/2009 1:20	Kwun Tong	300	1.42	14.25	Yes	-0.42 Note(1)
13/12/2009 1:49	Yau Tsim Mong	200	0.68	16.33	Yes	1.32
8/1/2010 1:03	Sham Shui Po	150	1.28	26.67	Yes	0
13/1/2010 5:23	Sham Shui Po	150	0.78	16.08	Yes	1.72
8/2/2010 9:45	Southern	600	1.25	44.17	Yes	10.00 Note(2)

(iii) Details of the 10 cases with the longest duration of water supply suspension in 2010-11:

Date & Time	District	Pipe size (mm)	Time taken to isolate burst mains upon receipt of report (Hour)	Duration of suspension of water supply (Hour)	Provision of temporary water supply	Time taken to start providing temporary water supply after isolation (Hour)
28/4/2010 23:26	Southern	150	1.40	16.25	Yes	0
13/5/2010 2:12	Central & Western	150	0.55	14.82	Yes	2.25
12/7/2010 18:16	Wong Tai Sin	450	0.73	16.17	Yes	1.85
17/7/2010 2:49	Eastern	300	1.43	23.25	Yes	0
22/7/2010 20:51	Tuen Mun	150	1.48	14.92	Yes	0.38
8/9/2010 21:30	Sham Shui Po	300	1.25	20.92	Yes	0
17/9/2010 1:34	Kwai Tsing	200	1.43	15.50	Yes	4.72
29/10/2010 3:17	Sai Kung	250	2.22	17.25	Yes	1.05
26/2/2011 2:17	Yuen Long	200	0.88	17.75	Yes	0.08
12/3/2011 1:34	Sham Shui Po	300	0.93	15.00	Yes	-0.13 Note(1)

Note(1) : Temporary water supply was provided before isolation of burst main.

Note(2) : The burst main was a pipe supplying water to a service reservoir which had adequate reserve for maintaining normal water supply during the initial stage of repair work. But the repair work proved to be more difficult and could not be completed before the reserve ran out. Hence, temporary water supply was required.

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Table 3

**The performance pledges and achievements of WSD
in respect of handling mains bursts in the past three years**

(i) Performance pledges of 2008-09 and 2009-10

Performance Pledge		Achievement	
Service	Target	2008-09	2009-10
Time for isolation of burst mains upon receipt of report			
(a) for pipe diameter up to 300 mm	92% within 1.5 hours	97%	98%
(b) for pipe diameter above 300 mm to 600 mm	92% within 2.5 hours	97%	100%

(ii) Performance pledge of 2010-11

Performance Pledge		Achievement
Service	Target	2010-11
Time for isolation of burst mains upon receipt of report		
(a) for pipe diameter up to 300 mm	(i) 94% within 1.5 hours (ii) 75% within 1.25 hours	(i) 99% (ii) 89%
(b) for pipe diameter above 300 mm to 600 mm	(i) 94% within 2.5 hours (ii) 75% within 2 hours	(i) 94% (ii) 90%

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Table 4

**The performance pledges and achievements of WSD
in respect of suspension of water supply in the past three years**

(i) Performance Pledge of 2008-09

Performance Pledge		Achievement
Service	Target	2008-09
Maximum duration of suspension of supply due to fresh water mains burst	(i) 85% within 8 hours	87%
	(ii) 95% within 12 hours	95%

(ii) Performance Pledges of 2009-10 and 2010-11

Performance Pledge		Achievement	
Service	Target	2009-10	2010-11
Maximum duration of suspension of supply due to fresh water mains burst	(i) 85% within 8 hours	91%	92%
	(ii) 70% within 7 hours	83%	89%

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Distribution and locations of Water Wagons and Water Tanks

		Water wagon	Water tank
Hong Kong Region	North Point Regional Office	1	24
	Silver Mine Bay Water Treatment Works	0	8
	Siu Ho Wan Water Treatment Works	0	4
	Total	1	36

		Water wagon	Water tank
Kowloon Region	Cheung Sha Wan Office	1	6
	Kowloon Bay Maintenance Depot	0	0
	Total	1	6*

		Water wagon	Water tank
New Territories East Region	Kowloon Bay Office	1	6
	Sha Tin Water Treatment Works	0	10
	Fanling Depot	0	6
	Sheung Shui Water Treatment Works	0	4
	Tseung Kwan O Maintenance Depot	0	4
	Pak Kong Water Treatment Works	0	4
	Ma On Shan Water Treatment Works	0	2
	Total	1	36

		Water wagon	Water tank
New Territories West Region	Mong Kok Office	1	2
	Kwai Chung Depot	0	10
	Tuen Mun Depot	0	6
	Yuen Long Depot	0	4
	Tuen Mun Water Treatment Works	1	2
	Au Tau Water Treatment Works	0	2
	Total	2	26

* There are fewer water tanks in Kowloon where supply zones are better inter-connected. Provision of alternative water supply to an affected area by other supply zones can be readily arranged at times of emergency.