



Parallel Mains

1.0 Objective:

- To keep water fresh in all parallel mains

2.0 Purpose

- To keep water flowing in all parallel mains

3.0 Responsibility

- Team Leader, Pipelines

4.0 Procedure

The following maintenance and calibration tasks are undertaken to ensure compliance with the DWSNZ 2005 (revised 2008) at the agreed sample points at Wainuiomata, Te Marua, Waterloo, Gear Island, Pukerua Bay, Thorndon and Karori.

The valves and their bypass valves listed below as open shall be checked once a year and reopened where shut. Refer to Drawing No. A1/9890/01 (Flow Chart) for overall location and individual control sheets for the exact location. All valve exercising and servicing, planned or unplanned, is recorded on the asset management system.

The procedure applies to the following pipelines:

- System No. 1

Wainuiomata 750 mm pipeline between Valve 21R and the 750 mm Orongorongo/Karori junction near Valve 5 System No. 1 (refer Drawing No. A4-9532/1). The following valves shall be open:

- 5, 16, 17, 21H, 21R, 22, 27 and 28

- System No. 2

Porirua 375 mm pipeline between Valve 47 and 375 mm/450 mm junction near Valve 56/ Porirua 450 mm pipeline between Valves 48 and

46 System No. 2 (refer Drawing No. A4-9532/2). The following valves shall be open:

- 47, 48, 49, 49A, 54, 55 and 56

- System No. 3

Paremata 300 mm pipeline between Valves 62 and 67/Paremata 200 mm pipeline between Valves 61 and 68 System No. 3 (refer Drawing No. A4-9532/3). The following valves shall be open:

- 61, 62, 63, 64, 65, 67, 68 and 69

- System No. 4

Pukerua Bay 300 mm pipeline between Valves 71 and 79/Plimmerton 200 mm pipeline between Valves 70 and 77A System No. 4 (refer Drawing No. A4-9532/4). The following valves shall be open:

- 73, 74, 75, 77, 77A, 78, 79, 80, 106 and 107

Note: Valve 76 is now open

- System No. 5

Johnsonville Pumping Station suction pipework System No. 5 (refer Drawing No. A4-9532/5). The following valves shall be open:

- 52A, 52B, 52C, 100, 100D, 100J, 100K, 100L, 100N

- System No. 6

375 mm pipeline Waterloo to Gracefield/OK bypass at Randwick valve chamber (refer Drawing No. A4-9532/6). The following valve shall be open:

- 33D, 34 and 35

- System No. 7

Grenada North Reservoir inlet valves (2) System No. 7 (refer Drawing No. A4-9532/7). The following valves shall be open:

- 93G and 93H

- System No. 8

Superseded by System No. 9.

- System No. 9
Messines Road Reservoir inlet valves (2) and Kelburn Reservoir inlet valves (2) System No. 9 (refer Drawing No. A4-9532/9). The following valves shall be open:
 - 114G, 114H, 115N, 115O
- System No. 10
Onslow Reservoir inlet valves (4) System No. 10 (refer Drawing No. A4-9532/10). The following valves shall be open:
 - Onslow 1 and 2
- System No. 11
Cruickshank Reservoir inlet valves System No. 11 (refer Drawing No. A4-9532/11). The following valves shall be open:
 - 86B, 86C, 86D, 86E, 86F, 86J
- System No. 12
Trentham Reservoir inlet valves System No. 12 (refer Drawing No. A4-9532/12). The following valves shall be open:
 - 87J, 87L, 87M, 87P, 87R, 87S
- System No. 13
Pinehaven Reservoir inlet valve System No. 13 (refer Drawing No. A4-9532/13). The following valves shall be open:
 - 88P, 88Q, 88U, 88X, 88Y
- System No. 14
Maldive Nos 1 and 2 inlet valves System No. 14 (refer Drawing No. A4-9543/14). The following valves shall be open:
 - 97, 97D, 97E, 97F, 98A, 98B, 98D, 98E
- System No. 15
Point Howard inlet valves System No. 15 (refer Drawing No. A4-9532/15). The following valves shall be open:
 - PH11 and PH12

- System No. 16

Kingsley Reservoir inlet valve System No. 16 (refer Drawing No. A4-9532/16). The following valve shall be open:

- 89J

5.0 Records

Once these procedures have been completed, the controlled sheets are signed off as certified and filed at the Pomare depo.