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# **MONTHLY REPORTING PERIOD - AUGUST, 2017**

#### 1. SUMMARY

The list below provides a summary of the water quality information collected by BMID in August, 2017. Documentation and figures are provided on the following pages to support this submission.

August 2017

| Source                         | Total (US Gals) | Total (Mega Litres) |
|--------------------------------|-----------------|---------------------|
| Mission Creek                  | 766,374,000     | 2,900.73            |
| Well 4                         | 0               | 0                   |
| Well 5                         | 37,513,000      | 141.99              |
| Scotty Creek (Irrigation Only) | 50,857,000      | 192.49              |
| Total                          | 854,744,000     | 3,235.21            |

- Turbidity levels at the Distribution Intake (Hadden Pond Outlet), remained below 1.0 NTU for all of August. Peak turbidity at the Distribution Intake was 0.46 NTU on August 9, 2017;
- 2. The highest monthly turbidity level recorded at the first customer (Booster #1) was 0.52 NTU on August 10, 2017 and average monthly turbidity was 0.35 NTU;
- Mission Creek experienced low flows for all of August as dry conditions in the watershed continued throughout the month. The watershed witnessed aboveaverage temperatures and very little precipitation throughout August. As a result, BMID began to release water from its upstream reservoirs in July which continued into August;
- 4. BMID's Scotty Creek intake, used for irrigation water, was utilized throughout August due to high irrigation usage in the north-end for the entire month;
- 5. *E.Coli* levels at the Point of Diversion (Mission Creek) were average during August. The highest raw water *E.Coli* count was 30 on August 2, 2017;
- 6. *E.Coli* levels at the Distribution Intake (Hadden Outlet) had low counts on all samples during August, with a peak count of 3 on August 11, 2017;
- 7. No *E.Coli* and no *Coliforms* were found in treated water in the distribution system through third-party analysis. In addition, no positive bacteria tests were found from the in-house presence-absence tests;
- 8. Well #5 was used throughout August as a source for domestic and irrigation water in the north-end of the system in conjunction with Mission Creek system water as determined by usage and pressures in the area:
- 9. BMID's Water Treatment Plant continued operations as water quality in Mission Creek required chemical treatment to achieve desired turbidity and colour levels;

# 1.0 FLOWS - AUGUST, 2017

Maximum est. Daily Flow was on August 23, 2017 at 34,550,000 US gallons (130.77 ML) Minimum est. Daily Flow was on August 15, 2017 at 21,740,500 US gallons (82.29 ML) Mission Creek provided 96% of domestic flow throughout August.

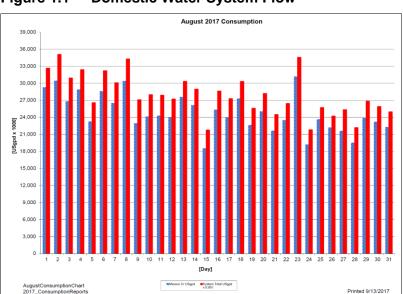


Figure 1.1 - Domestic Water System Flow

Table 1.2 - August, 2017 Daily Consumption Report

| Year         | Mission Cr  | Well #4 | Well #5     | Scotty Crk  | System Total | System Total |
|--------------|-------------|---------|-------------|-------------|--------------|--------------|
| 2017         | Usgpd       | Usgpd   | Usgpd       | Usgpd       | Usgpd        | ML/Day       |
| 1-Aug        | 29,231,000  | 0       | 1,245,000.0 | 2,170,000.0 | 32,646,000   | 123.57       |
| 2-Aug        | 30,391,000  | 0       | 1,561,500.0 | 1,561,500.0 | 33,514,000   | 126.85       |
| 3-Aug        | 26,751,000  | 0       | 1,561,500.0 | 2,606,000.0 | 30,918,500   | 117.03       |
| 4-Aug        | 28,845,000  | 0       | 1,381,000.0 | 1,381,000.0 | 31,607,000   | 119.63       |
| 5-Aug        | 23,208,000  | 0       | 1,152,000.0 | 2,205,000.0 | 26,565,000   | 100.55       |
| 6-Aug        | 28,542,000  | 0       | 1,310,000.0 | 1,310,000.0 | 31,162,000   | 117.95       |
| 7-Aug        | 26,454,000  | 0       | 1,320,000.0 | 2,295,000.0 | 30,069,000   | 113.81       |
| 8-Aug        | 30,336,000  | 0       | 1,489,000.0 | 1,489,000.0 | 33,314,000   | 126.09       |
| 9-Aug        | 22,906,000  | 0       | 1,579,000.0 | 2,605,000.0 | 27,090,000   | 102.54       |
| 10-Aug       | 24,084,000  | 0       | 1,357,000.0 | 1,357,000.0 | 26,798,000   | 101.43       |
| 11-Aug       | 24,236,000  | 0       | 1,150,000.0 | 2,501,000.0 | 27,887,000   | 105.55       |
| 12-Aug       | 23,969,000  | 0       | 1,101,000.0 | 1,101,000.0 | 26,171,000   | 99.06        |
| 13-Aug       | 27,530,000  | 0       | 720,000.0   | 2,075,000.0 | 30,325,000   | 114.78       |
| 14-Aug       | 26,088,000  | 0       | 892,500.0   | 892,500.0   | 27,873,000   | 105.50       |
| 15-Aug       | 18,475,000  | 0       | 892,500.0   | 2,373,000.0 | 21,740,500   | 82.29        |
| 16-Aug       | 25,287,000  | 0       | 1,135,000.0 | 1,135,000.0 | 27,557,000   | 104.30       |
| 17-Aug       | 23,926,000  | 0       | 1,071,000.0 | 2,283,000.0 | 27,280,000   | 103.25       |
| 18-Aug       | 27,247,000  | 0       | 942,000.0   | 942,000.0   | 29,131,000   | 110.26       |
| 19-Aug       | 22,581,000  | 0       | 1,026,000.0 | 1,979,000.0 | 25,586,000   | 96.84        |
| 20-Aug       | 24,994,000  | 0       | 1,142,000.0 | 1,142,000.0 | 27,278,000   | 103.25       |
| 21-Aug       | 21,574,000  | 0       | 960,000.0   | 1,951,000.0 | 24,485,000   | 92.68        |
| 22-Aug       | 23,447,000  | 0       | 1,079,000.0 | 1,079,000.0 | 25,605,000   | 96.91        |
| 23-Aug       | 31,126,000  | 0       | 1,414,000.0 | 2,010,000.0 | 34,550,000   | 130.77       |
| 24-Aug       | 19,167,000  | 0       | 1,491,000.0 | 1,491,000.0 | 22,149,000   | 83.83        |
| 25-Aug       | 23,595,000  | 0       | 970,000.0   | 1,141,000.0 | 25,706,000   | 97.30        |
| 26-Aug       | 22,150,000  | 0       | 341,000.0   | 341,000.0   | 22,832,000   | 86.42        |
| 27-Aug       | 21,559,000  | 0       | 1,971,000.0 | 1,804,000.0 | 25,334,000   | 95.89        |
| 28-Aug       | 19,467,000  | 0       | 1,374,000.0 | 1,374,000.0 | 22,215,000   | 84.08        |
| 29-Aug       | 23,820,000  | 0       | 1,358,000.0 | 1,647,000.0 | 26,825,000   | 101.53       |
| 30-Aug       | 23,154,000  | 0       | 1,206,000.0 | 1,206,000.0 | 25,566,000   | 96.77        |
| 31-Aug       | 22,234,000  | 0       | 1,321,000.0 | 1,410,000.0 | 24,965,000   | 94.49        |
| Totals Usgpd | 766,374,000 | 0       | 37,513,000  | 50,857,000  | 854,744,000  | 3235.21      |
| Totals ML    | 2,900.73    | 0.00    | 141.99      | 192.49      |              |              |
| Avg's        | 24,721,742  | 93.57   |             |             | 27,659,300   | 104.36       |
| Max          | 31,126,000  | 117.81  |             |             | 34,550,000   | 130.77       |
| Min          | 18,475,000  | 69.93   |             |             | 21,740,500   | 82.29        |

#### 2.0 RAW WATER QUALITY - BACTERIOLOGICAL MONITORING

Raw water samples were taken at three points at BMID settling ponds before chlorination

Samples were taken twice per week at the Distribution Intake's Point of Disinfection (Hadden Pond) and at the raw water Point of Diversion (Mission Creek Intake); one sample is taken per week at Stevens Pond outlet (point halfway between WTP Outlet and Distribution Intake).

Samples from the previous month are also provided to show a two month trend

Figure 2.1 - E.Coli Readings (CARO Lab results) July 2017 - August 2017

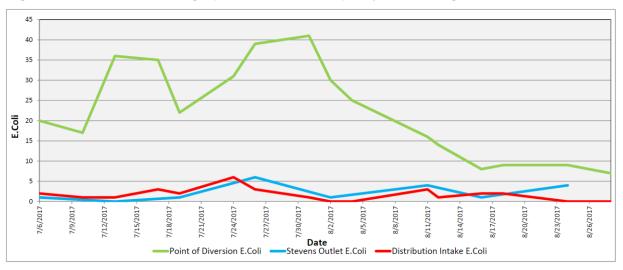


Table 2.2 - E.Coli Readings (CARO Labs)

|           | Point of Diversion | Stevens Outlet | Distribution Intake |
|-----------|--------------------|----------------|---------------------|
| Date      | E.Coli             | E.Coli         | E.Coli              |
| 6-Jul-17  | 20                 | 1              | 2                   |
| 10-Jul-17 | 17                 |                | 1                   |
| 13-Jul-17 | 36                 | 0              | 1                   |
| 17-Jul-17 | 35                 |                | 3                   |
| 19-Jul-17 | 22                 | 1              | 2                   |
| 24-Jul-17 | 31                 |                | 6                   |
| 26-Jul-17 | 39                 | 6              | 3                   |
| 31-Jul-17 | 41                 |                | 1                   |
| 2-Aug-17  | 30                 | 1              | 0                   |
| 4-Aug-17  | 25                 |                | 0                   |
| 11-Aug-17 | 16                 | 4              | 3                   |
| 12-Aug-17 | 14                 |                | 1                   |
| 16-Aug-17 | 8                  | 1              | 2                   |
| 18-Aug-17 | 9                  |                | 2                   |
| 24-Aug-17 | 9                  | 4              | 0                   |
| 28-Aug-17 | 7                  |                | 0                   |

Stevens or WTP Intake (Raw) - Sampling of raw water at intake from Mission Creek

Stevens Outlet (Raw) - Sampling point after exiting 142,000 m<sup>3</sup> 1st upper balancing reservoir (Stevens Res.)

Hadden Outlet (Raw) - Sampling point after exiting 75,000 m<sup>3</sup> 2<sup>nd</sup> lower balancing reservoir (Hadden Res.)

(Hadden Outlet = Distribution Intake - Point of Disinfection)

# 3.0 RAW AND TREATED WATER TURBIDITY

Turbidity for the Mission Creek source was measured at Booster Station No. 1 on Gallagher's Road, the first-customer, through August 2017. The highest turbidity recorded at this location was 0.52 NTU on August 10, 2017.

Figure 3.1 – Daily Turbidity Readings (Distribution Intake and Booster Station 1)

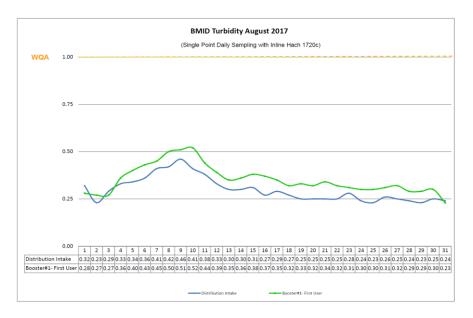


Table 3.2 - Daily Monitoring Record - Turbidity at Distribution Intake & Bst Stn 1

|         | Turbidity Point Sampling for August 2017 |              |             |               |  |  |  |  |  |  |  |  |
|---------|--|--------------|-------------|---------------|--|--|--|--|--|--|--|--|
| Data    | Distrib                                  | ution Intake | Booster#    | 1- First User |  |  |  |  |  |  |  |  |
| Date    | Sample Time                              | [NTU]        | Sample Time | [NTU]         |  |  |  |  |  |  |  |  |
| 1       | 8:51 AM                                  | 0.32         | 8:10 AM     | 0.28          |  |  |  |  |  |  |  |  |
| 2       | 10:30 AM                                 | 0.23         | 9:30 AM     | 0.27          |  |  |  |  |  |  |  |  |
| 3       | 10:06 AM                                 | 0.29         | 8:38 AM     | 0.27          |  |  |  |  |  |  |  |  |
| 4       | 7:44 AM                                  | 0.33         | 2:08 PM     | 0.36          |  |  |  |  |  |  |  |  |
| 5       | 8:31 AM                                  | 0.34         | 7:18 AM     | 0.40          |  |  |  |  |  |  |  |  |
| 6       | 9:33 AM                                  | 0.36         | 9:09 AM     | 0.43          |  |  |  |  |  |  |  |  |
| 7       | 8:40 AM                                  | 0.41         | 8:13 AM     | 0.45          |  |  |  |  |  |  |  |  |
| 8       | 11:36 AM                                 | 0.42         | 11:10 AM    | 0.50          |  |  |  |  |  |  |  |  |
| 9       | 9:07 AM                                  | 0.46         | 8:27 AM     | 0.51          |  |  |  |  |  |  |  |  |
| 10      | 8:41 AM                                  | 0.41         | 7:56 AM     | 0.52          |  |  |  |  |  |  |  |  |
| 11      | 8:39 AM                                  | 0.38         | 7:42 AM     | 0.44          |  |  |  |  |  |  |  |  |
| 12      | 8:55 AM                                  | 0.33         | 8:00 AM     | 0.39          |  |  |  |  |  |  |  |  |
| 13      | 8:27 AM                                  | 0.30         | 8:02 AM     | 0.35          |  |  |  |  |  |  |  |  |
| 14      | 1:34 PM                                  | 0.30         | 1:08 PM     | 0.36          |  |  |  |  |  |  |  |  |
| 15      | 8:12 AM                                  | 0.31         | 7:44 AM     | 0.38          |  |  |  |  |  |  |  |  |
| 16      | 8:35 AM                                  | 0.27         | 8:01 AM     | 0.37          |  |  |  |  |  |  |  |  |
| 17      | 8:12 AM                                  | 0.29         | 7:41 AM     | 0.35          |  |  |  |  |  |  |  |  |
| 18      | 8:41 AM                                  | 0.27         | 7:59 AM     | 0.32          |  |  |  |  |  |  |  |  |
| 19      | 7:05 AM                                  | 0.25         | 6:39 AM     | 0.33          |  |  |  |  |  |  |  |  |
| 20      | 8:55 AM                                  | 0.25         | 8:20 AM     | 0.32          |  |  |  |  |  |  |  |  |
| 21      | 8:38 AM                                  | 0.25         | 8:02 AM     | 0.34          |  |  |  |  |  |  |  |  |
| 22      | 8:36 AM                                  | 0.25         | 7:57 AM     | 0.32          |  |  |  |  |  |  |  |  |
| 23      | 2:39 PM                                  | 0.28         | 1:30 PM     | 0.31          |  |  |  |  |  |  |  |  |
| 24      | 8:25 AM                                  | 0.24         | 7:45 AM     | 0.30          |  |  |  |  |  |  |  |  |
| 25      | 8:58 AM                                  | 0.23         | 8:31 AM     | 0.30          |  |  |  |  |  |  |  |  |
| 26      | 12:24 PM                                 | 0.26         | 11:40 AM    | 0.31          |  |  |  |  |  |  |  |  |
| 27      | 12:40 PM                                 | 0.25         | 12:17 PM    | 0.32          |  |  |  |  |  |  |  |  |
| 28      | 9:03 AM                                  | 0.24         | 8:22 AM     | 0.29          |  |  |  |  |  |  |  |  |
| 29      | 8:37 AM                                  | 0.23         | 8:00 AM     | 0.29          |  |  |  |  |  |  |  |  |
| 30      | 8:36 AM                                  | 0.25         | 7:50 AM     | 0.30          |  |  |  |  |  |  |  |  |
| 31      | 9:08 AM                                  | 0.24         | 8:25 AM     | 0.23          |  |  |  |  |  |  |  |  |
| Average |  | 0.30         |             | 0.35          |  |  |  |  |  |  |  |  |

### 4.0 CHLORINE CONTACT TIME

Temperature, pH, current flow and chlorine residual levels are recorded to determine the CT levels that are required to provide 3 log inactivation of *Giardia*. Chlorine Contact times exceeded the CT levels required to provide 3 log (99.9%) inactivation of *Giardia Lamblia* throughout the month of August, 2017.

Figure 4.1 - CT Trending - BMID Mission Creek Source - August 2017

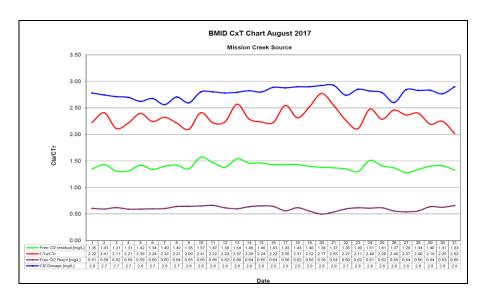


Table 4.2 - CT Table - Mission Creek Source

|          |           |          |         |          |          | 1     | BMID Aug    | ust 2017 |        |         |        |         |            |
|----------|-----------|----------|---------|----------|----------|-------|-------------|----------|--------|---------|--------|---------|------------|
|          |           |          |         |          |          |       | lission Cre |          |        |         |        |         |            |
| DATE     | pН        | TEMP     | PEAK    | Free Cl: | CT       | CT    | CTa/CTr     | Free Cl2 | Cl     | VOLUME  | TIME   | FLOW    | CL: DOSAGE |
| DATE     | (highest) | (lowest) | FLOW    | residual | achieved | req'd |             | Req'd    | Dosage | TOTAL   |        | PRESENT | PRESENT    |
| August   |           | [°C]     | [Usgpm] | [mg/L]   |          |       |             | [mg/L]   | [mg/L] | [USga1] | [mins] | [USGPM] | [PPD]      |
| 1        | 7.20      | 18.6     | 22991   | 1.35     | 155.6    | 69.9  | 2.22        | 0.61     | 2.8    | 2649600 | 115    | 21408   | 715        |
| 2        | 7.22      | 18.4     | 21840   | 1.43     | 173.5    | 72.1  | 2.41        | 0.59     | 2.7    | 2649600 | 121    | 17048   | 562        |
| 3        | 7.23      | 18.2     | 22697   | 1.31     | 152.9    | 72.4  | 2.11        | 0.62     | 2.7    | 2649600 | 117    | 17929   | 584        |
| 4        | 7.21      | 18.2     | 21818   | 1.31     | 159.1    | 71.9  | 2.21        | 0.59     | 2.7    | 2649600 | 121    | 17706   | 574        |
| 5        | 7.18      | 18.3     | 21996   | 1.42     | 171.1    | 71.4  | 2.39        | 0.59     | 2.6    | 2649600 | 120    | 16435   | 518        |
| 6        | 7.23      | 18.4     | 22101   | 1.34     | 160.6    | 71.6  | 2.24        | 0.60     | 2.7    | 2649600 | 120    | 17882   | 575        |
| 7        | 7.22      | 18.5     | 22390   | 1.40     | 165.7    | 71.3  | 2.32        | 0.60     | 2.6    | 2649600 | 118    | 18428   | 567        |
| 8        | 7.22      | 18.4     | 23593   | 1.42     | 159.5    | 72.0  | 2.21        | 0.64     | 2.7    | 2649600 | 112    | 15910   | 517        |
| 9        | 7.22      | 18.0     | 23267   | 1.35     | 153.7    | 73.5  | 2.09        | 0.65     | 2.6    | 2649600 | 114    | 16259   | 507        |
| 10       | 7.23      | 17.6     | 22271   | 1.57     | 186.8    | 77.5  | 2.41        | 0.65     | 2.8    | 2649600 | 119    | 15428   | 519        |
| 11       | 7.20      | 17.5     | 22952   | 1.47     | 169.7    | 76.5  | 2.22        | 0.66     | 2.8    | 2649600 | 115    | 15593   | 525        |
| 12       | 7.21      | 17.7     | 21818   | 1.38     | 167.6    | 75.0  | 2.24        | 0.62     | 2.8    | 2649600 | 121    | 14366   | 480        |
| 13       | 7.21      | 18.0     | 21275   | 1.54     | 191.8    | 74.7  | 2.57        | 0.60     | 2.8    | 2649600 | 125    | 12927   | 434        |
| 14       | 7.24      | 17.7     | 22101   | 1.46     | 175.0    | 76.5  | 2.29        | 0.64     | 2.8    | 2649600 | 120    | 14683   | 498        |
| 15       | 7.25      | 17.6     | 22390   | 1.46     | 172.8    | 77.3  | 2.24        | 0.65     | 2.8    | 2649600 | 118    | 16262   | 547        |
| 16       | 7.23      | 17.3     | 21829   | 1.43     | 173.6    | 78.1  | 2.22        | 0.64     | 2.9    | 2649600 | 121    | 15768   | 547        |
| 17       | 7.23      | 17.3     | 19048   | 1.43     | 198.9    | 78.1  | 2.55        | 0.56     | 2.9    | 2649600 | 139    | 17553   | 607        |
| 18       | 7.22      | 17.4     | 21207   | 1.43     | 178.7    | 77.3  | 2.31        | 0.62     | 2.9    | 2649600 | 125    | 18612   | 648        |
| 19       | 7.21      | 17.7     | 19584   | 1.40     | 189.4    | 75.1  | 2.52        | 0.56     | 2.9    | 2649600 | 135    | 15909   | 554        |
| 20       | 7.20      | 17.7     | 17671   | 1.38     | 206.9    | 74.7  | 2.77        | 0.50     | 2.9    | 2649600 | 150    | 15127   | 531        |
| 21       | 7.20      | 17.0     | 18184   | 1.37     | 199.6    | 78.3  | 2.55        | 0.54     | 2.9    | 2649600 | 146    | 16502   | 580        |
| 22       | 7.21      | 16.6     | 19564   | 1.35     | 182.8    | 80.7  | 2.27        | 0.60     | 2.7    | 2649600 | 135    | 15774   | 519        |
| 23       | 7.22      | 17.1     | 21036   | 1.30     | 163.7    | 77.8  | 2.11        | 0.62     | 2.8    | 2649600 | 126    | 16704   | 572        |
| 24       | 7.19      | 17.6     | 21276   | 1.51     | 188.0    | 76.0  | 2.48        | 0.61     | 2.8    | 2649600 | 125    | 15123   | 512        |
| 25       | 7.21      | 17.4     | 21290   | 1.41     | 175.5    | 76.8  | 2.28        | 0.62     | 2.8    | 2649600 | 124    | 14508   | 486        |
| 26       | 7.22      | 17.4     | 19247   | 1.37     | 188.6    | 76.8  | 2.46        | 0.56     | 2.6    | 2649600 | 138    | 13691   | 428        |
| 27       | 7.23      | 16.4     | 17542   | 1.28     | 193.3    | 81.7  | 2.37        | 0.54     | 2.8    | 2649600 | 151    | 13700   | 468        |
| 28       | 7.22      | 16.5     | 18168   | 1.34     | 195.4    | 81.4  | 2.40        | 0.56     | 2.8    | 2649600 | 146    | 15240   | 518        |
| 29       | 7.22      | 16.7     | 20933   | 1.40     | 177.2    | 80.8  | 2.19        | 0.64     | 2.8    | 2649600 | 127    | 14288   | 486        |
| 30       | 7.21      | 16.7     | 20617   | 1.41     | 181.2    | 80.6  | 2.25        | 0.63     | 2.8    | 2649600 | 129    | 15286   | 508        |
| 31       | 7.21      | 16.0     | 20811   | 1.33     | 169.3    | 83.9  | 2.02        | 0.66     | 2.9    | 2649600 | 127    | 14626   | 509        |
| Averages | 7.22      | 17.55    | 21080.9 | 1.40     | 176.70   | 76.18 | 2.32        | 0.60     | 2.78   |         |        |         |            |

## 5.0 WATER DISTRIBUTION SAMPLING (TREATED)

### Third Party Analysis (CARO Analytical Services)

- Samples taken once per week at eight locations around the BMID service area
- 32 samples were found to be absent of Coliforms.
- 32 samples were found to be absent of *E.Coli*.

Table 5.1 - CARO Independent Lab Testing - Total Coliforms - E.Coli

|           | PR        | V 7    | Boos      | iter 1 | Ellison Blow-Off |        | Ellison School |        | 612 Adams Rd |        | Prospect F | Reservoir | Tower R   | eservoir | Well #5   |        |
|-----------|-----------|--------|-----------|--------|------------------|--------|----------------|--------|--------------|--------|------------|-----------|-----------|----------|-----------|--------|
| Date      | Coliforms | E.coli | Coliforms | E.coli | Coliforms        | E.coli | Coliforms      | E.coli | Coliforms    | E.coli | Coliforms  | E.coli    | Coliforms | E.coli   | Coliforms | E.coli |
| 6-Jul-17  | 0         | 0      | 0         | 0      | 0                | 0      | 0              | 0      | 0            | 0      | 0          | 0         | 0         | 0        | 0         | 0      |
| 12-Jul-17 | 0         | 0      | 0         | 0      | 0                | 0      | 0              | 0      | 0            | 0      | 0          | 0         | 0         | 0        | 0         | 0      |
| 19-Jul-17 | 0         | 0      | 0         | 0      | 0                | 0      | 0              | 0      | 0            | 0      | 0          | 0         | 0         | 0        | 0         | 0      |
| 26-Jul-17 | 0         | 0      | 0         | 0      | 0                | 0      | 0              | 0      | 0            | 0      | 0          | 0         | 0         | 0        | 0         | 0      |
| 2-Aug-17  | 0         | 0      | 0         | 0      | 0                | 0      | 0              | 0      | 0            | 0      | 0          | 0         | 0         | 0        | 0         | 0      |
| 11-Aug-17 | 0         | 0      | 0         | 0      | 0                | 0      | 0              | 0      | 0            | 0      | 0          | 0         | 0         | 0        | 0         | 0      |
| 16-Aug-17 | 0         | 0      | 0         | 0      | 0                | 0      | 0              | 0      | 0            | 0      | 0          | 0         | 0         | 0        | 0         | 0      |
| 24-Aug-17 | 0         | 0      | 0         | 0      | 0                | 0      | 0              | 0      | 0            | 0      | 0          | 0         | 0         | 0        | 0         | 0      |

### In-House Analysis (BMID Staff)

- Presence/Absence samples taken on a three week cycle at ten sites around the BMID service area.
- All samples were found to be absent of both Total Coliforms and E.Coli.

Table 5.2 - BMID In-house Testing - Presence Absence

|                     | 8/1/2017 |      |         | 8/8/2017 |      |       | 8/15/2017 |      |      | 8/21/2017 |       |      |      | 8/28/2017 |       |      |      |       |       |      |
|---------------------|----------|------|---------|----------|------|-------|-----------|------|------|-----------|-------|------|------|-----------|-------|------|------|-------|-------|------|
| Location            | CI2      | Temp | . Pres. | Abs.     | CI2  | Temp. | Pres.     | Abs. | CI2  | Temp.     | Pres. | Abs. | CI2  | Temp.     | Pres. | Abs. | CI2  | Temp. | Pres. | Abs. |
| 2670 Enterprise Way |          |      |         |          | 0.85 | 23.6  | -         | Х    |      |           |       |      |      |           |       |      | 1.00 | 21.8  | -     | Х    |
| #5 217 Franklin Rd  |          |      |         |          |      |       |           |      | 0.47 | 20.6      | -     | X    |      |           |       |      | 1    |       |       |      |
| 2105 Morrison       |          |      |         |          | 1.04 | 23.0  | -         | X    |      |           |       |      |      |           |       |      | 1.07 | 22.6  | -     | X    |
| 654 Mayfair Ct      | 1.13     | 25.4 | -       | X        |      |       |           |      |      |           |       |      | 1.01 | 20.2      | -     | X    | 1    |       |       |      |
| 800 Galbraith Ct    |          |      |         |          |      |       |           |      | 0.61 | 20.4      | -     | X    |      |           |       |      | 1    |       |       |      |
| 1200 Belgo Rd       |          |      |         |          |      |       |           |      | 0.94 | 23.4      | -     | X    |      |           |       |      | 1    |       |       |      |
| PRV #10             |          |      |         |          | 1.04 | 20.2  | -         | X    |      |           |       |      |      |           |       |      | 1.03 | 19.2  | -     | X    |
| 260 Campion Rd      | 0.79     | 25.0 | -       | X        |      |       |           |      |      |           |       |      | 0.16 | 24.2      | -     | X    | 1    |       |       |      |
| 2821 Fenwick Rd     |          |      |         |          |      |       |           |      | 0.20 | 23.2      | -     | X    |      |           |       |      |      |       |       |      |
| 2931 Belgo Rd       | 1.28     | 23.8 | -       | X        |      |       |           |      |      |           |       |      | 1.14 | 23.6      | -     | X    |      |       |       |      |

■ BMID Population = 22,400

#### RECOMMENDED TESTS

 Recommended number of samples per month = 22

(as per Guide for Canadian Drinking Water Quality)

#### **ACTUAL TESTS**

- Total tests by BMID staff (presence/absence) = 16
- Total tests sampled by BMID and tested by Caro Labs = 32
- Total tests sampled in BMID treated distribution system = 48 (Zero Positive Samples)