

# North Richmond Water Filtration Plant

## February Pollution Monitoring Summary

### EPL 5425



Summary period: 01-02-2021 to 28-02-2021

Date obtained: 16-02-2021

Date published: 23-02-2021

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 4<br>Site code EFFQNR1 | Point description: Access chamber |                    |                      |                       |               |
|----------------------------------|-----------------------------------|--------------------|----------------------|-----------------------|---------------|
| pollutant                        | unit of measure                   | sampling frequency | 100 percentile limit | 100 percentile actual | within limits |
| pH                               | pH Units                          | every 25 days      | 6.5 - 8.5            | 7.4                   | yes           |
| total suspended solids           | mg/L                              | every 25 days      | 30                   | <2                    | yes           |

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

**Table 2: Routine monitoring data**

| EPA Point 4<br>Site code EFFQNR1 | Point description: Access chamber |                    |                   |                 |              |                 |
|----------------------------------|-----------------------------------|--------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                        | unit of measure                   | sampling frequency | number of samples | minimum results | mean results | maximum results |
| aluminium                        | mg/L                              | every 25 days      | 1                 | -               | -            | 0.02            |
| chlorine (total residual)        | mg/L                              | every 25 days      | 1                 | -               | -            | 0.1             |
| iron                             | mg/L                              | every 25 days      | 1                 | -               | -            | 0.73            |
| manganese                        | mg/L                              | every 25 days      | 1                 | -               | -            | 0.17            |
| pH                               | pH Units                          | every 25 days      | 1                 | -               | -            | 7.4             |
| total dissolved solids           | mg/L                              | every 25 days      | 1                 | -               | -            | 110             |
| total suspended solids           | mg/L                              | every 25 days      | 1                 | -               | -            | <2              |

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

# North Richmond Water Filtration Plant

## January Pollution Monitoring Summary

### EPL 5425



Summary period: 01-01-2021 to 31-01-2021

Date obtained: 20-01-2021

Date published: 27-01-2021

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 4<br>Site code EFFQNR1 | Point description: Access chamber |                    |                      |                       |               |
|----------------------------------|-----------------------------------|--------------------|----------------------|-----------------------|---------------|
| pollutant                        | unit of measure                   | sampling frequency | 100 percentile limit | 100 percentile actual | within limits |
| pH                               | pH Units                          | every 25 days      | 6.5 - 8.5            | 7.29                  | yes           |
| total suspended solids           | mg/L                              | every 25 days      | 30                   | 5                     | yes           |

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

**Table 2: Routine monitoring data**

| EPA Point 4<br>Site code EFFQNR1 | Point description: Access chamber |                    |                   |                 |              |                 |
|----------------------------------|-----------------------------------|--------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                        | unit of measure                   | sampling frequency | number of samples | minimum results | mean results | maximum results |
| aluminium                        | mg/L                              | every 25 days      | 1                 | -               | -            | 0.03            |
| chlorine (total residual)        | mg/L                              | every 25 days      | 1                 | -               | -            | 0.05            |
| iron                             | mg/L                              | every 25 days      | 1                 | -               | -            | 1.09            |
| manganese                        | mg/L                              | every 25 days      | 1                 | -               | -            | 0.1             |
| pH                               | pH Units                          | every 25 days      | 1                 | -               | -            | 7.29            |
| total dissolved solids           | mg/L                              | every 25 days      | 1                 | -               | -            | 170             |
| total suspended solids           | mg/L                              | every 25 days      | 1                 | -               | -            | 5               |

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

# North Richmond Water Filtration Plant

## December Pollution Monitoring Summary

### EPL 5425



Summary period: 01-12-2020 to 31-12-2020

Date obtained: 30-12-2020

Date published: 11-01-2021

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 4<br>Site code EFFQR1 | Point description: Access chamber |                    |                      |                       |               |
|---------------------------------|-----------------------------------|--------------------|----------------------|-----------------------|---------------|
| pollutant                       | unit of measure                   | sampling frequency | 100 percentile limit | 100 percentile actual | within limits |
| pH                              | pH Units                          | every 25 days      | 6.5 - 8.5            | 7.24                  | yes           |
| total suspended solids          | mg/L                              | every 25 days      | 30                   | 3                     | yes           |

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

**Table 2: Routine monitoring data**

| EPA Point 4<br>Site code EFFQR1 | Point description: Access chamber |                    |                   |                 |              |                 |
|---------------------------------|-----------------------------------|--------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                       | unit of measure                   | sampling frequency | number of samples | minimum results | mean results | maximum results |
| aluminium                       | mg/L                              | every 25 days      | 1                 | -               | -            | 0.02            |
| chlorine (total residual)       | mg/L                              | every 25 days      | 1                 | -               | -            | 0.06            |
| iron                            | mg/L                              | every 25 days      | 1                 | -               | -            | 0.51            |
| manganese                       | mg/L                              | every 25 days      | 1                 | -               | -            | 0.13            |
| pH                              | pH Units                          | every 25 days      | 1                 | -               | -            | 7.24            |
| total dissolved solids          | mg/L                              | every 25 days      | 1                 | -               | -            | 138             |
| total suspended solids          | mg/L                              | every 25 days      | 1                 | -               | -            | 3               |

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

# North Richmond Water Filtration Plant

## November Pollution Monitoring Summary

### EPL 5425



Summary period: 01-11-2020 to 30-11-2020

Date obtained: 16-12-2020

Date published: 18-12-2020

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 4<br>Site code EFFQR1 | Point description: Access chamber |                    |                      |                       |               |
|---------------------------------|-----------------------------------|--------------------|----------------------|-----------------------|---------------|
| pollutant                       | unit of measure                   | sampling frequency | 100 percentile limit | 100 percentile actual | within limits |
| pH                              | pH Units                          | every 25 days      | 6.5 - 8.5            | 7.57                  | yes           |
| total suspended solids          | mg/L                              | every 25 days      | 30                   | 7                     | yes           |

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

**Table 2: Routine monitoring data**

| EPA Point 4<br>Site code EFFQR1 | Point description: Access chamber |                    |                   |                 |              |                 |
|---------------------------------|-----------------------------------|--------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                       | unit of measure                   | sampling frequency | number of samples | minimum results | mean results | maximum results |
| aluminium                       | mg/L                              | every 25 days      | 1                 | -               | -            | 0.04            |
| chlorine (total residual)       | mg/L                              | every 25 days      | 1                 | -               | -            | 0.11            |
| iron                            | mg/L                              | every 25 days      | 1                 | -               | -            | 0.99            |
| manganese                       | mg/L                              | every 25 days      | 1                 | -               | -            | 0.1             |
| pH                              | pH Units                          | every 25 days      | 1                 | -               | -            | 7.57            |
| total dissolved solids          | mg/L                              | every 25 days      | 1                 | -               | -            | 132             |
| total suspended solids          | mg/L                              | every 25 days      | 1                 | -               | -            | 7               |

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

# North Richmond Water Filtration Plant

## October Pollution Monitoring Summary

### EPL 5425



Summary period: 01-10-2020 to 31-10-2020

Date obtained: 03-11-2020

Date published: 06-11-2020

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 4<br>Site code EFFQR1 | Point description: Access chamber |                    |                      |                       |               |
|---------------------------------|-----------------------------------|--------------------|----------------------|-----------------------|---------------|
| pollutant                       | unit of measure                   | sampling frequency | 100 percentile limit | 100 percentile actual | within limits |
| pH                              | pH Units                          | every 25 days      | 6.5 - 8.5            | 7.58                  | yes           |
| pH                              | pH Units                          | every 25 days      | 6.5 - 8.5            | 7.6                   | yes           |
| total suspended solids          | mg/L                              | every 25 days      | 30                   | <2                    | yes           |
| total suspended solids          | mg/L                              | every 25 days      | 30                   | 5                     | yes           |

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

**Table 2: Routine monitoring data**

| EPA Point 4<br>Site code EFFQR1 | Point description: Access chamber |                    |                   |                 |              |                 |
|---------------------------------|-----------------------------------|--------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                       | unit of measure                   | sampling frequency | number of samples | minimum results | mean results | maximum results |
| aluminium                       | mg/L                              | every 25 days      | 2                 | 0.01            | 0.02         | 0.02            |
| chlorine (total residual)       | mg/L                              | every 25 days      | 2                 | 0.07            | 0.1          | 0.12            |
| iron                            | mg/L                              | every 25 days      | 2                 | 0.27            | 0.64         | 1.02            |
| manganese                       | mg/L                              | every 25 days      | 2                 | 0.04            | 0.16         | 0.28            |
| pH                              | pH Units                          | every 25 days      | 2                 | 7.58            | 7.59         | 7.6             |
| total dissolved solids          | mg/L                              | every 25 days      | 2                 | 152             | 164          | 176             |
| total suspended solids          | mg/L                              | every 25 days      | 2                 | <2              | 3            | 5               |

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

# North Richmond Water Filtration Plant

## September Pollution Monitoring Summary

### EPL 5425



Summary period: 01-09-2020 to 30-09-2020

Date obtained: 13-09-2020

Date published: 25-09-2020

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 4<br>Site code EFFQR1 | Point description: Access chamber |                    |                      |                       |               |
|---------------------------------|-----------------------------------|--------------------|----------------------|-----------------------|---------------|
| pollutant                       | unit of measure                   | sampling frequency | 100 percentile limit | 100 percentile actual | within limits |
| pH                              | pH Units                          | every 25 days      | 6.5 - 8.5            | 7.7                   | yes           |
| total suspended solids          | mg/L                              | every 25 days      | 30                   | <2                    | yes           |

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

**Table 2: Routine monitoring data**

| EPA Point 4<br>Site code EFFQR1 | Point description: Access chamber |                    |                   |                 |              |                 |
|---------------------------------|-----------------------------------|--------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                       | unit of measure                   | sampling frequency | number of samples | minimum results | mean results | maximum results |
| aluminium                       | mg/L                              | every 25 days      | 1                 | -               | -            | 0.01            |
| chlorine (total residual)       | mg/L                              | every 25 days      | 1                 | -               | -            | 0.07            |
| iron                            | mg/L                              | every 25 days      | 1                 | -               | -            | 0.21            |
| manganese                       | mg/L                              | every 25 days      | 1                 | -               | -            | 0.06            |
| pH                              | pH Units                          | every 25 days      | 1                 | -               | -            | 7.7             |
| total dissolved solids          | mg/L                              | every 25 days      | 1                 | -               | -            | 123             |
| total suspended solids          | mg/L                              | every 25 days      | 1                 | -               | -            | <2              |

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

# North Richmond Water Filtration Plant

## August Pollution Monitoring Summary

### EPL 5425



Summary period: 01-08-2020 to 31-08-2020  
 Date obtained: 18-08-2020  
 Date published: 01-09-2020

**Licensee:** Sydney Water Corporation  
 PO Box 399  
 PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 4<br>Site code EFFQNR1 |                 | Point description: Access chamber |                      |                       |               |
|----------------------------------|-----------------|-----------------------------------|----------------------|-----------------------|---------------|
| pollutant                        | unit of measure | sampling frequency                | 100 percentile limit | 100 percentile actual | within limits |
| pH                               | pH Units        | every 25 days                     | 6.5 - 8.5            | 7.43                  | yes           |
| total suspended solids           | mg/L            | every 25 days                     | 30                   | 3                     | yes           |

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

**Table 2: Routine monitoring data**

| EPA Point 4<br>Site code EFFQNR1 |                 | Point description: Access chamber |                   |                 |              |                 |
|----------------------------------|-----------------|-----------------------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                        | unit of measure | sampling frequency                | number of samples | minimum results | mean results | maximum results |
| aluminium                        | mg/L            | every 25 days                     | 1                 | -               | -            | 0.02            |
| chlorine (total residual)        | mg/L            | every 25 days                     | 1                 | -               | -            | 0.11            |
| iron                             | mg/L            | every 25 days                     | 1                 | -               | -            | 0.35            |
| manganese                        | mg/L            | every 25 days                     | 1                 | -               | -            | 0.08            |
| pH                               | pH Units        | every 25 days                     | 1                 | -               | -            | 7.43            |
| total dissolved solids           | mg/L            | every 25 days                     | 1                 | -               | -            | 159             |
| total suspended solids           | mg/L            | every 25 days                     | 1                 | -               | -            | 3               |

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

# North Richmond Water Filtration Plant

## July Pollution Monitoring Summary

### EPL 5425



Summary period: 01-07-2020 to 31-07-2020  
 Date obtained: 26-07-2020  
 Date published: 06-08-2020

**Licensee:** Sydney Water Corporation  
 PO Box 399  
 PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 4<br>Site code EFFQNR1 |                 | Point description: Access chamber |                      |                       |               |
|----------------------------------|-----------------|-----------------------------------|----------------------|-----------------------|---------------|
| pollutant                        | unit of measure | sampling frequency                | 100 percentile limit | 100 percentile actual | within limits |
| pH                               | pH Units        | every 25 days                     | 6.5 - 8.5            | 7.29                  | yes           |
| total suspended solids           | mg/L            | every 25 days                     | 30                   | 17                    | yes           |

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

**Table 2: Routine monitoring data**

| EPA Point 4<br>Site code EFFQNR1 |                 | Point description: Access chamber |                   |                 |              |                 |
|----------------------------------|-----------------|-----------------------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                        | unit of measure | sampling frequency                | number of samples | minimum results | mean results | maximum results |
| aluminium                        | mg/L            | every 25 days                     | 1                 | -               | -            | 0.09            |
| chlorine (total residual)        | mg/L            | every 25 days                     | 1                 | -               | -            | 0.15            |
| iron                             | mg/L            | every 25 days                     | 1                 | -               | -            | 4.39            |
| manganese                        | mg/L            | every 25 days                     | 1                 | -               | -            | 0.12            |
| pH                               | pH Units        | every 25 days                     | 1                 | -               | -            | 7.29            |
| total dissolved solids           | mg/L            | every 25 days                     | 1                 | -               | -            | 167             |
| total suspended solids           | mg/L            | every 25 days                     | 1                 | -               | -            | 17              |

Average and percentile limits are only applied annually for routine monitoring data in Table 2.