

# Glenfield Wastewater Treatment Plant

## May Pollution Monitoring Summary

### EPL 372



Summary period: 01-05-2021 to 31-05-2021

Date obtained: 18-05-2021

Date published: 31-05-2021

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                      |                       |               |
|----------------------------------------------------|-----------------|-------------------------------------|----------------------|-----------------------|---------------|
| pollutant                                          | unit of measure | sampling frequency                  | 100 percentile limit | 100 percentile actual | within limits |
| biochemical oxygen demand                          | mg/L            | on bypass                           | 100                  | 28                    | yes           |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 100                  | 16                    | yes           |
| total suspended solids                             | mg/L            | on bypass                           | 100                  | 28                    | yes           |

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

**Table 2: Routine monitoring data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                   |                 |              |                 |
|----------------------------------------------------|-----------------|-------------------------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                                          | unit of measure | sampling frequency                  | number of samples | minimum results | mean results | maximum results |
| biochemical oxygen demand                          | mg/L            | on bypass                           | 3                 | 14              | 20           | 28              |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 3                 | 13              | 15           | 16              |
| faecal coliforms                                   | CFU/100mL       | on bypass                           | 3                 | 300,000         | 573333       | 1,000,000       |
| total suspended solids                             | mg/L            | on bypass                           | 3                 | 25              | 26           | 28              |

Wet weather on 7th May resulted in the plant operating under Environment Protection Licence wet weather requirements.

# Glenfield Wastewater Treatment Plant

## April Pollution Monitoring Summary

### EPL 372



Summary period: 01-04-2021 to 30-04-2021

Date obtained: 13-05-2021

Date published: 17-05-2021

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                      |                       |               |
|----------------------------------------------------|-----------------|-------------------------------------|----------------------|-----------------------|---------------|
| pollutant                                          | unit of measure | sampling frequency                  | 100 percentile limit | 100 percentile actual | within limits |
| biochemical oxygen demand                          | mg/L            | on bypass                           | 100                  | -                     | -             |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 100                  | -                     | -             |
| total suspended solids                             | mg/L            | on bypass                           | 100                  | -                     | -             |

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

**Table 2: Routine monitoring data**

| Site code GF0020<br>Overflow Point     |                 | Point description: Overflow chamber |                   |                 |              |                 |
|----------------------------------------|-----------------|-------------------------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                              | unit of measure | sampling frequency                  | number of samples | minimum results | mean results | maximum results |
| biochemical oxygen demand              | mg/L            | on bypass                           | 0                 | -               | -            | -               |
| carbonaceous biochemical oxygen demand | mg/L            | on bypass                           | 0                 | -               | -            | -               |
| faecal coliforms                       | CFU/100mL       | on bypass                           | 0                 | -               | -            | -               |
| total suspended solids                 | mg/L            | on bypass                           | 0                 | -               | -            | -               |

As per clause M2.4 under EPL 372, collection of samples is required from GF0020 after 3 hours of continuous discharge from EPA Point 20. There was no discharge from EPA ID 20 during the April monitoring period.

# Glenfield Wastewater Treatment Plant

## March Pollution Monitoring Summary

### EPL 372



Summary period: 01-03-2021 to 31-03-2021

Date obtained: 31-03-2021

Date published: 09-04-2021

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                      |                       |               |
|----------------------------------------------------|-----------------|-------------------------------------|----------------------|-----------------------|---------------|
| pollutant                                          | unit of measure | sampling frequency                  | 100 percentile limit | 100 percentile actual | within limits |
| biochemical oxygen demand                          | mg/L            | on bypass                           | 100                  | 63                    | yes           |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 100                  | 57                    | yes           |
| total suspended solids                             | mg/L            | on bypass                           | 100                  | 49                    | yes           |

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather. Wet weather on 19th-23rd March resulted in the plant operating under Environment Protection Licence wet weather requirements.

**Table 2: Routine monitoring data**

| Site code GF0020<br>Overflow Point     |                 | Point description: Overflow chamber |                   |                 |              |                 |
|----------------------------------------|-----------------|-------------------------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                              | unit of measure | sampling frequency                  | number of samples | minimum results | mean results | maximum results |
| biochemical oxygen demand              | mg/L            | on bypass                           | 8                 | 10              | 22.75        | 63              |
| carbonaceous biochemical oxygen demand | mg/L            | on bypass                           | 8                 | 9               | 19           | 57              |
| faecal coliforms                       | CFU/100mL       | on bypass                           | 8                 | 100,000         | 718750       | 1,500,000       |
| total suspended solids                 | mg/L            | on bypass                           | 8                 | 18              | 30           | 49              |

Wet weather on 19th-23rd March resulted in the plant operating under Environment Protection Licence wet weather requirements.

# Glenfield Wastewater Treatment Plant

## February Pollution Monitoring Summary

### EPL 372



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

Date obtained: 09-02-2021

Date published: 23-02-2021

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                      |                       |               |
|----------------------------------------------------|-----------------|-------------------------------------|----------------------|-----------------------|---------------|
| pollutant                                          | unit of measure | sampling frequency                  | 100 percentile limit | 100 percentile actual | within limits |
| biochemical oxygen demand                          | mg/L            | on bypass                           | 100                  | 16                    | yes           |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 100                  | 11                    | yes           |
| total suspended solids                             | mg/L            | on bypass                           | 100                  | 20                    | yes           |

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

**Table 2: Routine monitoring data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                   |                 |              |                 |
|----------------------------------------------------|-----------------|-------------------------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                                          | unit of measure | sampling frequency                  | number of samples | minimum results | mean results | maximum results |
| biochemical oxygen demand                          | mg/L            | on bypass                           | 1                 | -               | -            | 16              |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 1                 | -               | -            | 11              |
| faecal coliforms                                   | CFU/100mL       | on bypass                           | 1                 | -               | -            | 1,600,000       |
| total suspended solids                             | mg/L            | on bypass                           | 1                 | -               | -            | 20              |

Wet weather on 2 February resulted in the plant operating under Environment Protection Licence wet weather requirements.

# Glenfield Wastewater Treatment Plant January Pollution Monitoring Summary



## EPL 372

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

Date obtained: 01-02-2021

Date published: 23-02-2021

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                      |                       |               |
|----------------------------------------------------|-----------------|-------------------------------------|----------------------|-----------------------|---------------|
| pollutant                                          | unit of measure | sampling frequency                  | 100 percentile limit | 100 percentile actual | within limits |
| biochemical oxygen demand                          | mg/L            | on bypass                           | 100                  | -                     | -             |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 100                  | -                     | -             |
| total suspended solids                             | mg/L            | on bypass                           | 100                  | -                     | -             |

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

**Table 2: Routine monitoring data**

| Site code GF0020<br>Overflow Point     |                 | Point description: Overflow chamber |                   |                 |              |                 |
|----------------------------------------|-----------------|-------------------------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                              | unit of measure | sampling frequency                  | number of samples | minimum results | mean results | maximum results |
| biochemical oxygen demand              | mg/L            | on bypass                           | 0                 | -               | -            | -               |
| carbonaceous biochemical oxygen demand | mg/L            | on bypass                           | 0                 | -               | -            | -               |
| faecal coliforms                       | CFU/100mL       | on bypass                           | 0                 | -               | -            | -               |
| total suspended solids                 | mg/L            | on bypass                           | 0                 | -               | -            | -               |

As per clause M2.4 under EPL 372, collection of samples is required from GF0020 after 3 hours of continuous discharge from EPA Point 20. There was no discharge from EPA ID 20 during the January monitoring period.

# Glenfield Wastewater Treatment Plant December Pollution Monitoring Summary



## EPL 372

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

Date obtained: 31-12-2020

Date published: 18-01-2020

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                      |                       |               |
|----------------------------------------------------|-----------------|-------------------------------------|----------------------|-----------------------|---------------|
| pollutant                                          | unit of measure | sampling frequency                  | 100 percentile limit | 100 percentile actual | within limits |
| biochemical oxygen demand                          | mg/L            | on bypass                           | 100                  | -                     | -             |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 100                  | -                     | -             |
| total suspended solids                             | mg/L            | on bypass                           | 100                  | -                     | -             |

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

**Table 2: Routine monitoring data**

| Site code GF0020<br>Overflow Point     |                 | Point description: Overflow chamber |                   |                 |              |                 |
|----------------------------------------|-----------------|-------------------------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                              | unit of measure | sampling frequency                  | number of samples | minimum results | mean results | maximum results |
| biochemical oxygen demand              | mg/L            | on bypass                           | 0                 | -               | -            | -               |
| carbonaceous biochemical oxygen demand | mg/L            | on bypass                           | 0                 | -               | -            | -               |
| faecal coliforms                       | CFU/100mL       | on bypass                           | 0                 | -               | -            | -               |
| total suspended solids                 | mg/L            | on bypass                           | 0                 | -               | -            | -               |

As per clause M2.4 under EPL 372, collection of samples is required from GF0020 after 3 hours of continuous discharge from EPA Point 20. There was no discharge from EPA ID 20 during the December monitoring period.

# Glenfield Wastewater Treatment Plant

## November Pollution Monitoring Summary

### EPL 372



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

Date obtained: 23-11-2020

Date published: 30-11-2020

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                      |                       |               |
|----------------------------------------------------|-----------------|-------------------------------------|----------------------|-----------------------|---------------|
| pollutant                                          | unit of measure | sampling frequency                  | 100 percentile limit | 100 percentile actual | within limits |
| biochemical oxygen demand                          | mg/L            | on bypass                           | 100                  | 5                     | yes           |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 100                  | 6                     | yes           |
| total suspended solids                             | mg/L            | on bypass                           | 100                  | 15                    | yes           |

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather. Wet weather on 1 November resulted in the plant operating under Environment Protection Licence wet weather requirements.

**Table 2: Routine monitoring data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                   |                 |              |                 |
|----------------------------------------------------|-----------------|-------------------------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                                          | unit of measure | sampling frequency                  | number of samples | minimum results | mean results | maximum results |
| biochemical oxygen demand                          | mg/L            | on bypass                           | 1                 | -               | -            | 5               |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 1                 | -               | -            | 6               |
| faecal coliforms                                   | CFU/100mL       | on bypass                           | 1                 | -               | -            | 9,100           |
| total suspended solids                             | mg/L            | on bypass                           | 1                 | -               | -            | 15              |

Wet weather on 1 November resulted in the plant operating under Environment Protection Licence wet weather requirements.

# Glenfield Wastewater Treatment Plant

## October Pollution Monitoring Summary

### EPL 372



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

Date obtained: 10-11-2020

Date published: 13-11-2020

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                      |                       |               |
|----------------------------------------------------|-----------------|-------------------------------------|----------------------|-----------------------|---------------|
| pollutant                                          | unit of measure | sampling frequency                  | 100 percentile limit | 100 percentile actual | within limits |
| biochemical oxygen demand                          | mg/L            | on bypass                           | 100                  | 28                    | yes           |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 100                  | 21                    | yes           |
| total suspended solids                             | mg/L            | on bypass                           | 100                  | 59                    | yes           |

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather. Wet weather on 31 October resulted in the plant operating under Environment Protection Licence wet weather requirements.

**Table 2: Routine monitoring data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                   |                 |              |                 |
|----------------------------------------------------|-----------------|-------------------------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                                          | unit of measure | sampling frequency                  | number of samples | minimum results | mean results | maximum results |
| biochemical oxygen demand                          | mg/L            | on bypass                           | 1                 | -               | -            | 28              |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 1                 | -               | -            | 21              |
| faecal coliforms                                   | CFU/100mL       | on bypass                           | 1                 | -               | -            | 2,100,000       |
| total suspended solids                             | mg/L            | on bypass                           | 1                 | -               | -            | 59              |

Wet weather on 31 October resulted in the plant operating under Environment Protection Licence wet weather requirements.



# Glenfield Wastewater Treatment Plant September Pollution Monitoring Summary



## EPL 372

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

Date obtained: 30-09-2020

Date published: 12-10-2020

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                      |                       |               |
|----------------------------------------------------|-----------------|-------------------------------------|----------------------|-----------------------|---------------|
| pollutant                                          | unit of measure | sampling frequency                  | 100 percentile limit | 100 percentile actual | within limits |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 100                  | -                     | -             |
| total suspended solids                             | mg/L            | on bypass                           | 100                  | -                     | -             |

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather. Wet weather on 9-11 August resulted in the plant operating under Environment Protection Licence wet weather requirements.

**Table 2: Routine monitoring data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                   |                 |              |                 |
|----------------------------------------------------|-----------------|-------------------------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                                          | unit of measure | sampling frequency                  | number of samples | minimum results | mean results | maximum results |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 0                 | -               | -            | -               |
| faecal coliforms                                   | CFU/100mL       | on bypass                           | 0                 | -               | -            | -               |
| total suspended solids                             | mg/L            | on bypass                           | 0                 | -               | -            | -               |

As per clause M2.4 under EPL 372, collection of samples is required from GF0020 after 3 hours of continuous discharge from EPA Point 20. There was no discharge from EPA ID 20 during the September monitoring period.

# Glenfield Wastewater Treatment Plant

## August Pollution Monitoring Summary

### EPL 372



Summary period: 01-08-2020 to 31-08-2020  
 Date obtained: 24-08-2020  
 Date published: 01-09-2020

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

**Table 1: 100 percentile data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                      |                       |               |
|----------------------------------------------------|-----------------|-------------------------------------|----------------------|-----------------------|---------------|
| pollutant                                          | unit of measure | sampling frequency                  | 100 percentile limit | 100 percentile actual | within limits |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 100                  | 34                    | yes           |
| total suspended solids                             | mg/L            | on bypass                           | 100                  | 98                    | yes           |

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather. Wet weather on 9-11 August resulted in the plant operating under Environment Protection Licence wet weather requirements.

**Table 2: Routine monitoring data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                   |                 |              |                 |
|----------------------------------------------------|-----------------|-------------------------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                                          | unit of measure | sampling frequency                  | number of samples | minimum results | mean results | maximum results |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 3                 | 13              | 21           | 34              |
| faecal coliforms                                   | CFU/100mL       | on bypass                           | 3                 | 8               | 190,736      | 570,000         |
| total suspended solids                             | mg/L            | on bypass                           | 3                 | 40              | 61           | 98              |

Wet weather on 9-11 August resulted in the plant operating under Environment Protection Licence wet weather requirements.

# Glenfield Wastewater Treatment Plant

## July Pollution Monitoring Summary

### EPL 372



Summary period: 01-07-2020 to 31-07-2020

Date obtained: 05-08-2020

Date published: 14-08-2020

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                      |                       |               |
|----------------------------------------------------|-----------------|-------------------------------------|----------------------|-----------------------|---------------|
| pollutant                                          | unit of measure | sampling frequency                  | 100 percentile limit | 100 percentile actual | within limits |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 100                  | 37                    | yes           |
| total suspended solids                             | mg/L            | on bypass                           | 100                  | 36                    | yes           |

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

**Table 2: Routine monitoring data**

| EPA Point 20<br>Site code GF0020<br>Overflow Point |                 | Point description: Overflow chamber |                   |                 |              |                 |
|----------------------------------------------------|-----------------|-------------------------------------|-------------------|-----------------|--------------|-----------------|
| pollutant                                          | unit of measure | sampling frequency                  | number of samples | minimum results | mean results | maximum results |
| carbonaceous biochemical oxygen demand             | mg/L            | on bypass                           | 3                 | <2              | 14           | 37              |
| faecal coliforms                                   | CFU/100mL       | on bypass                           | 3                 | 630             | 403543       | >1,200,000      |
| total suspended solids                             | mg/L            | on bypass                           | 3                 | 7               | 21           | 36              |