

# Upper South Creek

## Advanced Water Recycling Centre and Pipelines

Environmental Protection License – Environmental Monitoring Data  
Report

September 2023 to July 2025

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## 1 Project Summary

The Upper South Creek Advanced Water Recycling Centre and Pipelines project (the project) has been proposed to support the population growth and economic development of the Western Sydney Aerotropolis Growth Area (WSAGA or Aerotropolis), South West Growth Area (SWGA) and the new Western Sydney International Airport. The project will provide wastewater services to Western Sydney to produce high-quality treated water for non-drinking reuse and for release to local waterways.

The project comprises of the following components which are also detailed in Figure 1-1, Figure 1-2 and Figure 1-3.

- A new Advanced Water Recycling Centre (AWRC) to collect wastewater from businesses and homes and treat it, producing high-quality treated water, renewable energy and biosolids for beneficial reuse.
- A new green space area around the AWRC, adjacent to South Creek and Kemps Creek, to support the ongoing development of a green spine through Western Sydney.
- New infrastructure from the AWRC to South Creek, to release excess treated water during significant wet weather events, estimated to occur about 3 – 14 days each year.
- A new treated water pipeline from the AWRC to Nepean River at Wallacia Weir, to release high-quality treated water to the river during normal weather conditions.
- A new brine pipeline from the AWRC connecting into Sydney Water's existing wastewater system to transport brine to the Malabar Wastewater Treatment Plant.
- A range of ancillary infrastructure.

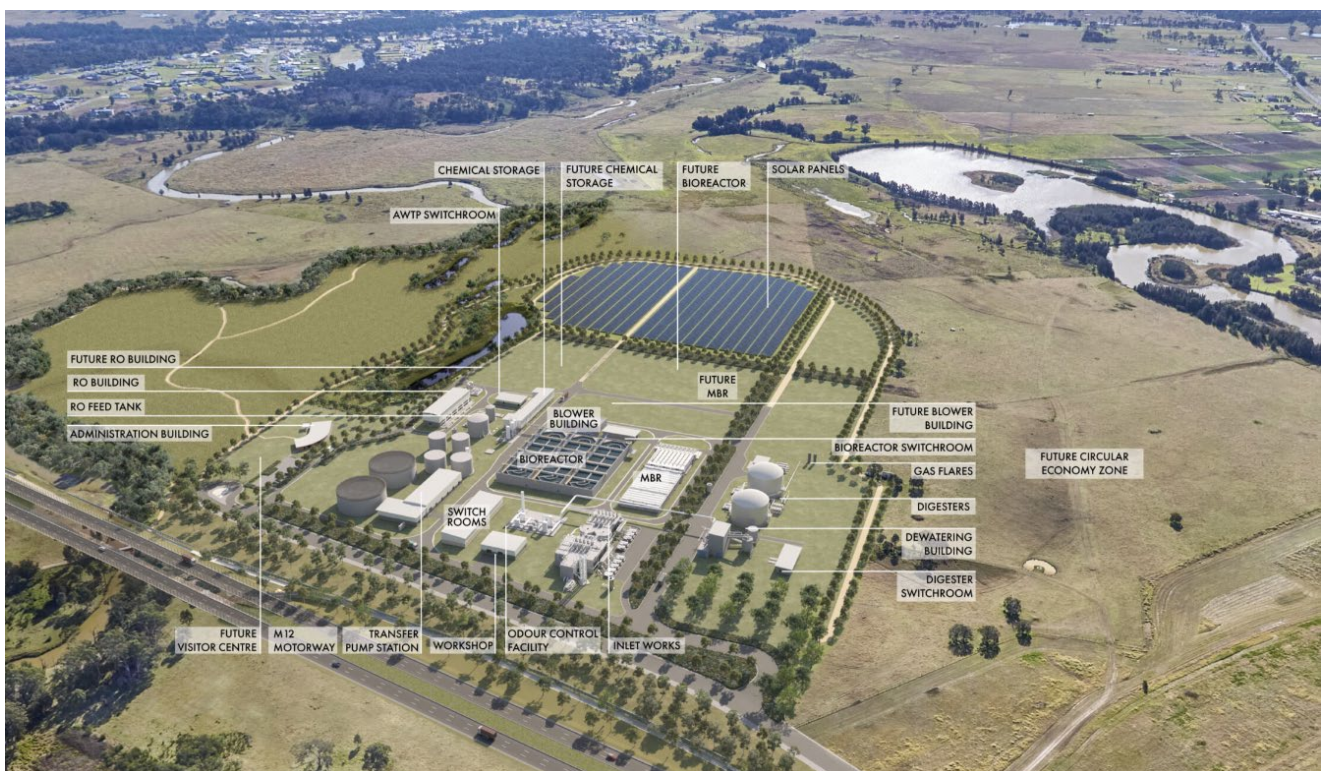


Figure 1-1 – Indicative AWRC site arrangement

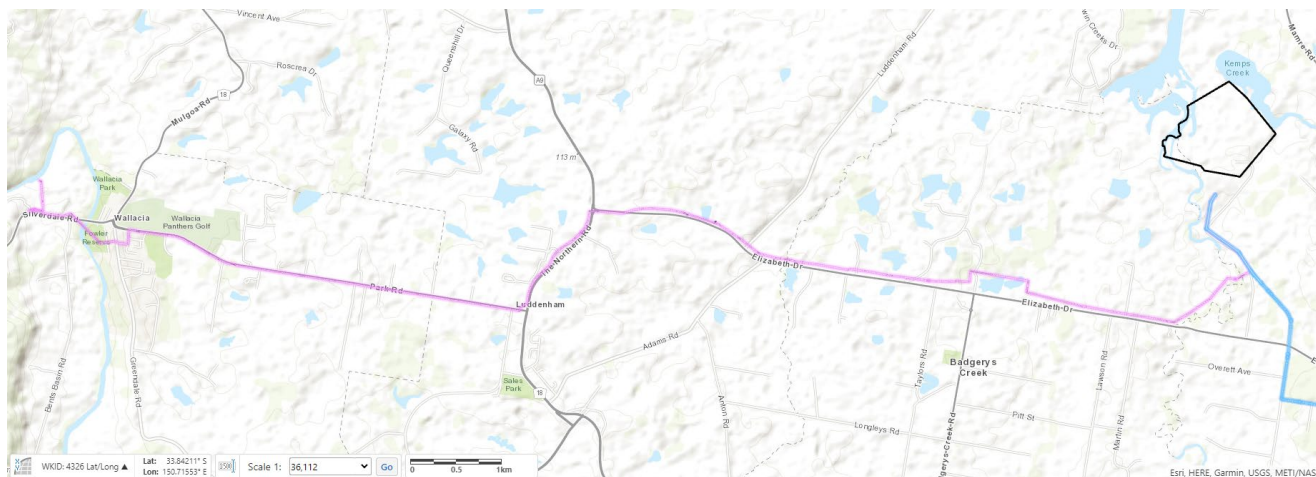


Figure 1-2 – Overview of the AWRC site and the treated water pipeline

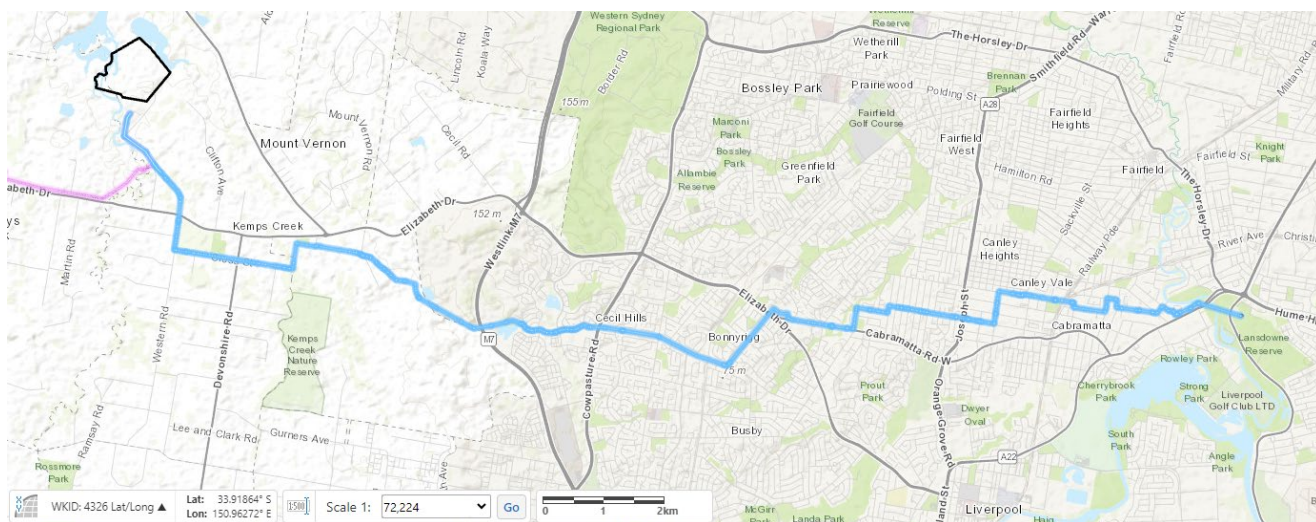


Figure 1-3 – Overview of the AWRC site and the brine pipeline

## 2 Environmental Protection License and Reporting Requirements

John Holland Pty Ltd obtained the Environment Protection Licence (EPL No. 21800) from the NSW Environment Protection Authority for the project. The licence is for sewage treatment as defined under Schedule 1 of the *Protection of the Environment Operations Act 1997* (POEO Act).

The licence describes monitoring and reporting requirements for the construction works. The following report details environmental monitoring undertaken between September 2023 and 09 July 2025 in accordance with the EPL.

The EPL can be found by following the link below to the EPA and John Holland website:

- [www.epa.nsw.gov.au](http://www.epa.nsw.gov.au)
- <https://johnholland.com.au/how-we-care/sustainability/environmental-and-sustainability-disclosures>



### 3 Environmental Monitoring Data

#### 3.1 Noise Monitoring

Noise monitoring was undertaken during the period in accordance with the requirements of the USC Noise and Vibration CEMP Sub-plan (USCP-JHG-MPL-ENV-0007). Results of noise monitoring events are provided in Table 3-1.

**Table 3-1 – Noise monitoring results**

| Monitoring Location (Address)                     | Date       | Attended or Unattended | Construction Activities on Site                                       | Measured Noise Level (LAeq,15min) | Predicted Noise Level (LAeq,15min) | Compliance                                      |
|---------------------------------------------------|------------|------------------------|-----------------------------------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------------------|
| -33.861359, 150.631652                            | 31/01/2023 | Attended               | Potholing and Early Works                                             | 53                                | 60                                 | Y                                               |
| AWRC Site Car Park                                | 5/09/2023  | Attended               | Site Establishment(Clearing, Earthworks)                              | 57                                | 64                                 | Y                                               |
| AWRC Site Car Park                                | 27/09/2023 | Attended               | Bulk Earthworks                                                       | 60                                | 67                                 | Y                                               |
| Corner of Paper Road (before turning circle)      | 28/09/2023 | Attended               | Bulk Earthworks                                                       | 52                                | 57                                 | Y                                               |
| AWRC Site Car Park                                | 28/09/2023 | Attended               | Bulk Earthworks                                                       | 63                                | 71                                 | Y                                               |
| -33.874187, 150.757894<br>Elizabeth Dr            | 28/09/2023 | Attended               | Site Establishment Topsoil Stripping                                  | 65                                | 72                                 | Y                                               |
| -33.87418, 150.757894<br>Elizabeth Dr             | 28/09/2023 | Attended               | Site Establishment Stockpiling/ plant and equipment mobilisation      | 60                                | 72                                 | Y                                               |
| Opposite 279 Park Rd                              | 4/10/2023  | Attended               | Site Establishment Tree Clearing                                      | 64                                | 75                                 | Y                                               |
| 273 Park Road                                     | 4/10/2023  | Attended               | Site Compound Establishment Topsoil stripping, ATF fencing            | 65                                | 75                                 | Y                                               |
| 230-234 Clifton Ave                               | 9/10/2023  | Attended               | Bulk Earthworks                                                       | 58                                | 42                                 | Y - exceedance not caused by construction works |
| 146B Clifton Ave                                  | 18/10/2023 | Attended               | Bulk Earthworks, Piling, Concrete Pour                                | 56                                | 42                                 | Y - exceedance not caused by construction works |
| 146B Clifton Ave                                  | 18/10/2023 | Attended               | Bulk Earthworks, Piling, Concrete Pour                                | 59                                | 42                                 | Y                                               |
| -33.864228, 150.704300<br>Elizabeth Dr, Luddenham | 20/10/2023 | Attended               | Site Compound Establishment Topsoil stripping, container mobilisation | 54                                | 69                                 | Y                                               |
| -33.87418, 150.757894<br>Elizabeth Dr             | 20/10/2023 | Attended               | Trenchless Reaming                                                    | 65                                | 72                                 | Y                                               |

|                                                   |            |          |                                                  |    |    |                                                                |
|---------------------------------------------------|------------|----------|--------------------------------------------------|----|----|----------------------------------------------------------------|
| Site Hive on the inlet pad                        | 1/11/2023  | Attended | Concrete Pour x3, Piling Breakback, Earthworks   | 66 | 75 | Y                                                              |
| Site Hive on site compound                        | 1/11/2023  | Attended | Concrete Pour x3, Piling Breakback, Earthworks   | 50 | 71 | Y                                                              |
| 211 Elizabeth Dr                                  | 2/11/2023  | Attended | Site Establishment Tree Clearing                 | 73 | 93 | Y                                                              |
| 286 John Street                                   | 8/11/2023  | Attended | Pipe Installation + Open trenching + Backfilling | 72 | 87 | Y                                                              |
| 42 Edensor Road                                   | 8/11/2023  | Attended | NDD Operation                                    | 72 | 79 | Y                                                              |
| 42 Edensor Road                                   | 8/11/2023  | Attended | NDD Operation + Use of jackhammer                | 69 | 79 | Y                                                              |
| -33.864434, 150.708990<br>Elizabeth Dr, Luddenham | 16/11/2023 | Attended | Trenchless Pipe pull / Install                   | 57 | 93 | Y                                                              |
| -33.864029, 150.706395<br>Elizabeth Dr, Luddenham | 16/11/2023 | Attended | Pipe Install                                     | 57 | 93 | Y                                                              |
| -33.87418, 150.757894<br>Elizabeth Dr             | 16/11/2023 | Attended | Trenchless Pipe pull / Install                   | 72 | 86 | Y                                                              |
| -33.863415, 150.771694                            | 16/11/2023 | Attended | Excavation Pipe Welding                          | 57 | 78 | Y                                                              |
| 111 Feodore Drive                                 | 17/11/2023 | Attended | Pipe Installation + Open trenching + Backfilling | 66 | 94 | Y                                                              |
| 107 Feodore Drive                                 | 17/11/2023 | Attended | Pipe Installation + Open trenching + Backfilling | 70 | 94 | Y                                                              |
| 107 Feodore Drive                                 | 17/11/2023 | Attended | Pipe Installation + Open trenching + Backfilling | 70 | 94 | Y                                                              |
| 08 Maud Close                                     | 17/11/2023 | Attended | Pipe Installation + Open trenching + Backfilling | 79 | 79 | Y                                                              |
| Site Hive at Inlet                                | 30/11/2023 | Attended | Concrete Pour                                    | 41 | 56 | Y                                                              |
| Site Hive at Inlet                                | 30/11/2023 | Attended | Concrete Pour                                    | 42 | 56 | Y                                                              |
| Site Hive at Inlet                                | 30/11/2023 | Attended | Concrete Pour                                    | 42 | 56 | Y                                                              |
| 08 Maud Close                                     | 1/12/2023  | Attended | Pipe Installation + Open trenching + Backfilling | 71 | 94 | Y                                                              |
| 111 Frederick Street                              | 1/12/2023  | Attended | Pipe Installation + Open trenching + Backfilling | 65 | 95 | Y                                                              |
| Site Hive at Inlet                                | 9/12/2023  | Attended | Steelfixing                                      | 55 | 52 | Y -<br>exceedance<br>not caused<br>by<br>construction<br>works |
| 230-234 Clifton Ave                               | 9/12/2023  | Attended | Steelfixing                                      | 44 | 40 | Y -<br>exceedance<br>not caused<br>by                          |

|                           |            |          |                                                  |    |    | construction works                              |
|---------------------------|------------|----------|--------------------------------------------------|----|----|-------------------------------------------------|
| 40 John Street            | 13/12/2023 | Attended | Pipe Installation + Open trenching + Backfilling | 66 | 95 | Y                                               |
| 38 Cumberland Highway     | 13/12/2023 | Attended | Pipe Installation + Open trenching + Backfilling | 73 | 95 | Y                                               |
| 38 Cumberland Highway     | 13/12/2023 | Attended | Pipe Installation + Open trenching + Backfilling | 74 | 95 | Y                                               |
| 38 Cumberland Highway     | 13/12/2023 | Attended | Vac Truck                                        | 77 | 95 | Y                                               |
| 38 Cumberland Highway     | 13/12/2023 | Attended | No Construction noise                            | 65 | 95 | Y                                               |
| -33.868127, 150.775426    | 14/12/2023 | Attended | Site Establishment Tree Clearing                 | 66 | 78 | Y                                               |
| -33.868127, 150.775426    | 14/12/2023 | Attended | Pipe Install                                     | 64 | 69 | Y                                               |
| 68 Park Rd                | 15/12/2023 | Attended | Trenchless                                       | 66 | 81 | Y                                               |
| 36 Park Rd                | 15/12/2023 | Attended | Trenchless Pipe Install                          | 82 | 89 | Y                                               |
| Site Hive at Inlet        | 16/12/2023 | Attended | Concrete Base Slab Pour                          | 51 | 57 | Y                                               |
| Site Hive at Inlet        | 16/12/2023 | Attended | Concrete Base Slab Pour                          | 52 | 57 | Y                                               |
| Site Hive at Inlet        | 16/12/2023 | Attended | Concrete finishing works and FRP works           | 53 | 57 | Y                                               |
| 322 Park Rd               | 19/12/2023 | Attended | Excavation                                       | 69 | 79 | Y                                               |
| -33.864185, 150.703146 C7 | 19/12/2023 | Attended | Excavation Pipe Install                          | 68 | 78 | Y                                               |
| -33.873815, 150.758140    | 19/12/2023 | Attended | Trenchless Pipe Install / Pipe Pull              | 73 | 86 | Y                                               |
| 345 North Liverpool Road  | 20/12/2023 | Attended | Saw cutting for potholing works, vac trucks      | 80 | 86 | Y                                               |
| 341 North Liverpool Road  | 20/12/2023 | Attended | Potholing using vac truck                        | 84 | 86 | Y                                               |
| 341 North Liverpool Road  | 20/12/2023 | Attended | Vac truck SWL test                               | 84 | 84 | Y                                               |
| 628 Cabramatta Road West  | 7/01/2024  | Attended | Placement of traffic barriers                    | 57 | 49 | Y - exceedance not caused by construction works |
| 628 Cabramatta Road West  | 7/01/2024  | Attended | Placement of traffic barriers                    | 62 | 49 | Y - exceedance not caused by                    |



|                          |            |          |                                                                                      |    |     |                                                 |
|--------------------------|------------|----------|--------------------------------------------------------------------------------------|----|-----|-------------------------------------------------|
|                          |            |          |                                                                                      |    |     | construction works                              |
| 230-234 Clifton Ave      | 11/01/2024 | Attended | Steelfixing                                                                          | 55 | 36  | Y - exceedance not caused by construction works |
| 628 Cabramatta Road West | 13/01/2024 | Attended | Pipe pulling using excavator                                                         | 67 | 72  | Y                                               |
| 628 Cabramatta Road West | 13/01/2024 | Attended | Pipe pulling and welding                                                             | 67 | 72  | Y                                               |
| 230-234 Clifton Ave      | 14/01/2024 | Attended | Steelfixing                                                                          | 46 | 36  | Y - exceedance not caused by construction works |
| 628 Cabramatta Road West | 14/01/2024 | Attended | Nil - background monitoring only                                                     | 62 | n/a | Y                                               |
| 323 North Liverpool Road | 23/01/2024 | Attended | Pavement breakout and potholing                                                      | 75 | 92  | Y                                               |
| 329 North Liverpool Road | 23/01/2024 | Attended | Pavement breakout and potholing                                                      | 83 | 92  | Y                                               |
| 230-234 Clifton Ave      | 24/01/2024 | Attended | Concrete Base Slab Pour                                                              | 64 | 48  | Y - exceedance not caused by construction works |
| Site Hive at Carpark     | 24/01/2024 | Attended | Concrete Base Slab Pour                                                              | 61 | 63  | Y                                               |
| Site Hive at Carpark     | 24/01/2024 | Attended | Concrete Base Slab Pour                                                              | 51 | 63  | Y                                               |
| Site Hive at Carpark     | 25/01/2024 | Attended | Concrete Base Slab Pour                                                              | 47 | 63  | Y                                               |
| 677 Cabramatta Rd WEst   | 25/01/2024 | Attended | Potholing                                                                            | 72 | 79  | Y                                               |
| 4 Katinka Street         | 25/01/2024 | Attended | Potholing                                                                            | 83 | 94  | Y                                               |
| Site Hive at Carpark     | 30/01/2024 | Attended | MBR Concrete Pour                                                                    | 43 | 63  | Y                                               |
| Site Hive Carpark        | 30/01/2024 | Attended | MBR Concrete Pour                                                                    | 43 | 63  | Y                                               |
| Site Hive Carpark        | 30/01/2024 | Attended | MBR Concrete Pour                                                                    | 49 | 63  | Y                                               |
| Site Hive Inlet          | 30/01/2024 | Attended | MBR Concrete Pour                                                                    | 54 | 63  | Y                                               |
| 27 East Parade           | 7/02/2024  | Attended | Spoil movement and loading, truck movement, excavator movement and equipment loading | 64 | 62  | Y - exceedance not caused by                    |

|                                                   |            |          |                                                                                      |    |    |                                                 |
|---------------------------------------------------|------------|----------|--------------------------------------------------------------------------------------|----|----|-------------------------------------------------|
|                                                   |            |          |                                                                                      |    |    | construction works                              |
| West of C12 compound                              | 7/02/2024  | Attended | Spoil movement and loading, truck movement, excavator movement and equipment loading | 58 | 62 | Y                                               |
| 699 Cabramatta Rd                                 | 8/02/2024  | Attended | No Construction noise - background road prior to arrival                             | 70 | 82 | Y                                               |
| 689 Cabramatta Rd                                 | 8/02/2024  | Attended | Road saw and potholing with vac truck                                                | 78 | 81 | Y                                               |
| 2289-2309 Elizabeth Dr                            | 8/02/2024  | Attended | Compound Operation                                                                   | 60 | 65 | Y                                               |
| behind 5 Tarlington Pl within Hebblewhite Reserve | 9/02/2024  | Attended | vac truck potholing                                                                  | 77 | 80 | Y                                               |
| 24 Park Road                                      | 14/02/2024 | Attended | Compaction                                                                           | 74 | 89 | Y                                               |
| South S12, O/S 27 East Pde                        | 26/02/2024 | Attended | Background compound monitoring                                                       | 53 | 30 | Y - exceedance not caused by construction works |
| South S12, O/S 27 East Pde                        | 26/02/2024 | Attended | Prestart                                                                             | 59 | 30 | Y - exceedance not caused by construction works |
| 11C Meadows Rd                                    | 26/02/2024 | Attended | potholing, roadsaw                                                                   | 83 | 83 | Y                                               |
| 11B Meadows Rd                                    | 26/02/2024 | Attended | potholing and roadsaw                                                                | 75 | 83 | Y                                               |
| 11C Meadows Rd                                    | 26/02/2024 | Attended | potholing                                                                            | 77 | 83 | Y                                               |
| 203 John St (east)                                | 27/02/2024 | Attended | Road saw                                                                             | 82 | 87 | Y                                               |
| 203 John St (east)                                | 27/02/2024 | Attended | Potholing                                                                            | 71 | 87 | Y                                               |
| C10 - 10m from 63 Edinburgh Court                 | 29/02/2024 | Attended | Vehicles exiting C10                                                                 | 54 | 75 | Y                                               |
| C10 - 10m from 63 Edinburgh Court                 | 29/02/2024 | Attended | Vehicles exiting C10                                                                 | 56 | 75 | Y                                               |
| 1 Shelley Road                                    | 2/03/2024  | Attended | Drilling/HDD                                                                         | 52 | 54 | Y                                               |
| 1 Katinka St                                      | 5/03/2024  | Attended | trenching                                                                            | 86 | 89 | Y                                               |
| 339 N Liverpool Rd                                | 6/03/2024  | Attended | trenching                                                                            | 88 | 86 | Y - exceedance not caused by                    |

|                                             |            |          |                                                                        |    |    |                                                                |
|---------------------------------------------|------------|----------|------------------------------------------------------------------------|----|----|----------------------------------------------------------------|
|                                             |            |          |                                                                        |    |    | construction works                                             |
| 339 N Liverpool Rd                          | 6/03/2024  | Attended | trenching                                                              | 75 | 86 | Y                                                              |
| 339 N Liverpool Rd                          | 6/03/2024  | Attended | trenching                                                              | 89 | 86 | Y -<br>exceedance<br>not caused<br>by<br>construction<br>works |
| Site Hive Carpark                           | 7/03/2024  | Attended | Bioreactor concrete pour                                               | 43 | 63 | Y                                                              |
| Site Hive Carpark                           | 7/03/2024  | Attended | Spoil Delivery                                                         | 45 | 57 | Y                                                              |
| 889 Ludenham Road                           | 7/03/2024  | Attended | Potholing                                                              | 61 | 61 | Y                                                              |
| 889 Ludenham Road                           | 7/03/2024  | Attended | Potholing                                                              | 59 | 61 | Y                                                              |
| 120 Cross St                                | 14/03/2024 | Attended | Pipe Install / backfill                                                | 57 | 75 | Y                                                              |
| 47 Willowbank Cresc                         | 27/03/2024 | Attended | Trenching and loading<br>material into truck and<br>dog                | 60 | 73 | Y                                                              |
| 6 Meadows Rd                                | 27/03/2024 | Attended | Trenching and loading<br>material into truck and<br>dog                | 75 | 72 | Y -<br>exceedance<br>not caused<br>by<br>construction<br>works |
| C10 - 25m from 77<br>Edinburgh Circuit      | 2/04/2024  | Attended | Worker mobilisation and<br>plant leaving site                          | 56 | 76 | Y                                                              |
| C10 - 25m from 77<br>Edinburgh Circuit      | 2/04/2024  | Attended | Truck and dog returning<br>to site to dump material<br>then leave site | 52 | 76 | Y                                                              |
| 107 Montgomery St                           | 13/04/2024 | Attended | HDD works                                                              | 78 | 78 | Y                                                              |
| 107 Montgomery St                           | 13/04/2024 | Attended | HDD works                                                              | 69 | 78 | Y                                                              |
| Park OPP 109 Feodore<br>St (equal distance) | 15/04/2024 | Attended | Trenching and pipe<br>installation                                     | 69 | 85 | Y                                                              |
| Between 109 and 111<br>Feodore St           | 15/04/2024 | Attended | Trenching and pipe<br>installation                                     | 65 | 85 | Y                                                              |
| Park OPP 111 Feodore<br>St (equal distance) | 16/04/2024 | Attended | Grinding and FRP works                                                 | 66 | 88 | Y                                                              |
| C6 Entry gate                               | 17/04/2024 | Attended | Background compound<br>monitoring                                      | 58 | 55 | Y -<br>exceedance<br>not caused<br>by<br>construction<br>works |
| 203 John St (east)                          | 21/04/2024 | Attended | HDD works                                                              | 74 | 95 | Y                                                              |

|                                   |            |          |                                                           |    |    |                                                                |
|-----------------------------------|------------|----------|-----------------------------------------------------------|----|----|----------------------------------------------------------------|
| Site Hive at Carpark              | 23/04/2024 | Attended | Concrete Pour                                             | 50 | 57 | Y                                                              |
| 607 Cabramatta Rd                 | 1/05/2024  | Attended | Pumping water and excavation                              | 70 | 87 | Y                                                              |
| 11 Willowbank Cres                | 2/05/2024  | Attended | clearing                                                  | 61 | 80 | Y                                                              |
| 11 Willowbank Cres                | 2/05/2024  | Attended | clearing                                                  | 55 | 75 | Y                                                              |
| Cabravale Leisure Centre          | 6/05/2024  | Attended | ATF setup                                                 | 54 | 44 | Y -<br>exceedance<br>not caused<br>by<br>construction<br>works |
| Opposite 2720 Silverdale Rd       | 6/05/2024  | Attended | Site Establishment,<br>Delivery Truck with<br>Tanks       | 52 | 47 | Y -<br>exceedance<br>not caused<br>by<br>construction<br>works |
| Opposite 2720 Silverdale Rd       | 7/05/2024  | Attended | Site Establishment,<br>Excavator Unloading<br>Tank        | 55 | 47 | Y -<br>exceedance<br>not caused<br>by<br>construction<br>works |
| 120 Willmington Rd                | 7/05/2024  | Attended | Saw Cutting / Road<br>Excaavtion                          | 59 | 71 | Y                                                              |
| 2289-2309 Elizabeth Dr            | 7/05/2024  | Attended | Spoil Movement / Site<br>shed use                         | 55 | 55 | Y                                                              |
| 406 Park Road                     | 7/05/2024  | Attended | Road Excavation                                           | 62 | 55 | Y -<br>exceedance<br>not caused<br>by<br>construction<br>works |
| 24 Park Road                      | 23/05/2024 | Attended | Trenching, spoil removal,<br>pipe installation            | 68 | 87 | Y                                                              |
| 24 Park Road                      | 23/05/2024 | Attended | Trenching, spoil removal,<br>pipe installation            | 70 | 87 | Y                                                              |
| C6 compound                       | 23/05/2024 | Attended | Spoil delivery, stockpile<br>shaping                      | 54 | 55 | Y                                                              |
| 72 Park Road                      | 27/05/2024 | Attended | Traffic and work area set<br>up                           | 39 | 44 | Y                                                              |
| 1 William Street / 148<br>Park Rd | 27/05/2024 | Attended | Traffic set up / Road<br>Excavation                       | 44 | 71 | Y                                                              |
| 1 William Street / 148<br>Park Rd | 28/05/2024 | Attended | Pipe Installation, Spoil<br>haulage, material<br>delivery | 44 | 70 | Y                                                              |
| 72 Park Road                      | 28/05/2024 | Attended | Pipe Installation, Spoil<br>haulage, material<br>delivery | 37 | 43 | Y                                                              |
| 25 Matingara Way                  | 28/05/2024 | Attended | Road Excavation                                           | 34 | 32 | Y -<br>exceedance<br>not caused<br>by                          |

|                                   |            |          |                                                     |    |    |                                                 |
|-----------------------------------|------------|----------|-----------------------------------------------------|----|----|-------------------------------------------------|
|                                   |            |          |                                                     |    |    | construction works                              |
| 72 Park Road                      | 28/05/2024 | Attended | Pipe Installation, Spoil haulage, material delivery | 42 | 44 | Y                                               |
| 1 William Street / 148 Park Rd    | 29/05/2024 | Attended | Pipe Installation, Spoil haulage, material delivery | 46 | 70 | Y                                               |
| 72 Park Road                      | 29/05/2024 | Attended | Compaction, pipe install                            | 40 | 43 | Y                                               |
| Lansdowne Reserve access track    | 31/05/2024 | Attended | Kemmfix installation                                | 68 | 45 | Y - exceedance not caused by construction works |
| 2650 Elizabeth Drive              | 27/06/2024 | Attended | Road sawing                                         | 55 | 58 | Y                                               |
| Behind 9 Willowbank Cres          | 29/06/2024 | Attended | HDD works                                           | 60 | 47 | Y - exceedance not caused by construction works |
| O/S 1 Marriott Rd                 | 5/07/2024  | Attended | Pipe towing                                         | 63 | 84 | Y                                               |
| O/S 1 Marriott Rd                 | 5/07/2024  | Attended | Pipe tugging                                        | 57 | 79 | Y                                               |
| O/S 1 Marriott Rd                 | 6/07/2024  | Attended | Pipe tugging                                        | 67 | 81 | Y                                               |
| Site Hive Carpark                 | 7/07/2024  | Attended | Clean up - Vac Truck                                | 48 | 51 | Y                                               |
| 230-234 Clifton Ave               | 13/07/2024 | Attended | General Construction / Solar                        | 56 | 40 | Y - exceedance not caused by construction works |
| Site Hive Carpark                 | 18/07/2024 | Attended | OSOM                                                | 52 | 53 | Y                                               |
| 1 Tarlington Parade               | 23/07/2024 | Attended | Tree clearing                                       | 72 | 91 | Y                                               |
| 1 Tarlington Parade               | 23/07/2024 | Attended | Tree clearing                                       | 69 | 91 | Y                                               |
| N Liverpool/Montgomery roundabout | 24/07/2024 | Attended | Pipe pull - tracking pipe down the road             | 68 | 97 | Y                                               |
| 217A North Liverpool Road         | 24/07/2024 | Attended | Pipe pull - welding                                 | 73 | 97 | Y                                               |
| 217A North Liverpool Road         | 24/07/2024 | Attended | Pipe pull - welding and cutting with chainsaw       | 73 | 97 | Y                                               |
| M7 HDD Entry Pit, western side M7 | 6/08/2024  | Attended | Trenching Pipeline Installation                     | 58 | 76 | Y                                               |

|                                                  |            |          |                                                                                                         |    |     |                                                                |
|--------------------------------------------------|------------|----------|---------------------------------------------------------------------------------------------------------|----|-----|----------------------------------------------------------------|
| Lansdowne Reserve<br>NGRS                        | 8/08/2024  | Attended | HDD Pipe pulling and<br>welding                                                                         | 65 | 78  | Y                                                              |
| M7 HDD Entry Pit,<br>western side M7             | 13/08/2024 | Attended | Topsoil spreading,<br>stockpile management                                                              | 73 | 73  | Y                                                              |
| O/S 331 NLR - Cnr NLR<br>and Wilson Rd           | 29/08/2024 | Attended | Background roadway<br>monitoring                                                                        | 76 | n/a | Y                                                              |
| O/S 218 NLR                                      | 29/08/2024 | Attended | Excavating roadway                                                                                      | 75 | 94  | Y                                                              |
| O/S 325 NLR                                      | 29/08/2024 | Attended | Concrete pouring                                                                                        | 75 | 94  | Y                                                              |
| O/S 331 NLR                                      | 29/08/2024 | Attended | Background noise<br>monitoring                                                                          | 76 | N/A | Y                                                              |
| O/S 329 NLR                                      | 29/08/2024 | Attended | Excavating roadway                                                                                      | 73 | 91  | Y                                                              |
| O/S 329 NLR                                      | 29/08/2024 | Attended | Excavating roadway                                                                                      | 82 | 91  | Y                                                              |
| O/S 222 NLR                                      | 29/08/2024 | Attended | Excavating roadway                                                                                      | 78 | 97  | Y                                                              |
| O/S 222 NLR                                      | 29/08/2024 | Attended | Excavating roadway                                                                                      | 78 | 97  | Y                                                              |
| O/S 329 NLR                                      | 3/09/2024  | Attended | Case Excavator lifting<br>covers to scour, lowering<br>concrete block                                   | 67 | 91  | Y                                                              |
| O/S 331 NLR                                      | 3/09/2024  | Attended | Vac truck in use                                                                                        | 67 | 96  | Y                                                              |
| O/S 327 NLR                                      | 3/09/2024  | Attended | Vac truck in use, gravel<br>truck, case excavator<br>scraping gravel from<br>truck and tipping into pit | 70 | 90  | Y                                                              |
| Site Hive Carpark                                | 14/09/2024 | Attended | In grounds                                                                                              | 49 | 53  | Y                                                              |
| Site Hive Carpark                                | 10/10/2024 | Attended | Steelfixing                                                                                             | 39 | 53  | Y                                                              |
| Site Hive Carpark                                | 11/10/2024 | Attended | Concrete Pour                                                                                           | 45 | 53  | Y                                                              |
| Site Hive Carpark                                | 11/10/2024 | Attended | Concrete Pour                                                                                           | 46 | 53  | Y                                                              |
| South Creek Crossing, -<br>33.870097, 150.776849 | 8/11/2024  | Attended | Replanting / Landscape                                                                                  | 46 | 51  | Y                                                              |
| 2720 SILVERDALE<br>ROAD, WALLACIA                | 8/11/2024  | Attended | Replanting / Landscape                                                                                  | 61 | 60  | Y -<br>exceedance<br>not caused<br>by<br>construction<br>works |
| 2141 Elizabeth Drive,<br>Luddenham               | 8/11/2024  | Attended | Replanting / Landscape                                                                                  | 66 | 43  | Y -<br>exceedance<br>not caused<br>by<br>construction<br>works |



|                                 |            |          |                                |    |    |                                                                |
|---------------------------------|------------|----------|--------------------------------|----|----|----------------------------------------------------------------|
| Behind 3 Axton Pl               | 14/11/2024 | Attended | Footpath restoration           | 51 | 61 | Y                                                              |
| O/S 20 Kensington Cl            | 14/11/2024 | Attended | Topsoil restoration            | 59 | 59 | Y                                                              |
| Adjacent to 1530 Elizabeth Dr   | 14/11/2024 | Attended | Hydromulching and restoration  | 50 | 64 | Y                                                              |
| 7 Henry Lawson Dr               | 27/11/2024 | Attended | Earthworks restoration         | 61 | 69 | Y                                                              |
| OPP 170 NLR (in MLP)            | 27/11/2024 | Attended | Rehab                          | 62 | 84 | Y                                                              |
| 2230 The Northern Rd, Luddenham | 11/12/2024 | Attended | Landscaping / Road Restoration | 64 | 64 | Y                                                              |
| 429 Park Road, Luddenham        | 11/12/2024 | Attended | Landscaping / Road Restoration | 62 | 44 | Y -<br>exceedance<br>not caused<br>by<br>construction<br>works |
| 2230 The Northern Rd, Luddenham | 11/12/2024 | Attended | Landscaping / Road Restoration | 61 | 64 | Y                                                              |
| 1 Katinka St                    | 12/12/2024 | Attended | Permanent road resto           | 72 | 91 | Y                                                              |
| 654 Cabramatta Rd               | 12/12/2024 | Attended | Permanent road resto           | 66 | 91 | Y                                                              |
| 689 Cabramatta Rd               | 12/12/2024 | Attended | Permanent road resto           | 65 | 81 | Y                                                              |
| 7 Henry Lawson Dr               | 11/12/2024 | Attended | Potholing and slip trenching   | 69 | 68 | Y -<br>exceedance<br>not caused<br>by<br>construction<br>works |
| 146B Clifton Ave                | 14/12/2024 | Attended | Trenching/pipe construction    | 57 | 69 | Y                                                              |
| 146B Clifton Ave                | 14/12/2024 | Attended | Trenching/pipe construction    | 52 | 69 | Y                                                              |
| 629 Cabramatta Rd               | 21/01/2025 | Attended | Permanent road resto           | 70 | 82 | Y                                                              |
| 230 Humphries Rd                | 21/01/2025 | Attended | Permanent road resto           | 74 | 76 | Y                                                              |
| SiteHive CarPark                | 23/01/2024 | Attended | Epoxy Coating                  | 39 | 42 | Y                                                              |
| SiteHive Inlet                  | 23/01/2024 | Attended | Epoxy Coating                  | 50 | 50 | Y                                                              |
| SiteHive CarPark                | 23/01/2024 | Attended | Epoxy Coating                  | 42 | 42 | Y                                                              |
| SiteHive CarPark                | 24/01/2025 | Attended | Concrete Pour Brine Tank       | 51 | 42 | Y -<br>exceedance<br>not caused<br>by                          |

|                    |            |          |                      |      |    | construction works                              |
|--------------------|------------|----------|----------------------|------|----|-------------------------------------------------|
| SiteHive CarPark   | 5/02/2025  | Attended | Epoxy Coating        | 46   | 40 | Y - exceedance not caused by construction works |
| SiteHive Inlet     | 17/02/2025 | Attended | Sandblasting         | 48.3 | 61 | Y                                               |
| SiteHive Inlet     | 17/02/2025 | Attended | Sandblasting         | 52.8 | 61 | Y                                               |
| SiteHive Inlet     | 18/02/2025 | Attended | Sandblasting         | 60.3 | 61 | Y                                               |
| SiteHive CarPark   | 18/02/2025 | Attended | Sandblasting         | 45.4 | 51 | Y                                               |
| AWRC Site Car Park | 28/02/2025 | Attended | Watermain Cutover    | 46.8 | 63 | Y                                               |
| AWRC Site Car Park | 28/02/2025 | Attended | Watermain Cutover    | 49.6 | 63 | Y                                               |
| AWRC Site Car Park | 28/02/2025 | Attended | Watermain Cutover    | 53.7 | 63 | Y                                               |
| AWRC Site Car Park | 1/03/2025  | Attended | Watermain Cutover    | 52.1 | 63 | Y                                               |
| AWRC Site Car Park | 7/03/2025  | Attended | Roadway excavation   | 51.3 | 64 | Y                                               |
| AWRC Site Car Park | 7/03/2025  | Attended | Roadway excavation   | 51.5 | 64 | Y                                               |
| AWRC Site Car Park | 7/03/2025  | Attended | Roadway excavation   | 51.7 | 59 | Y                                               |
| AWRC Site Car Park | 7/03/2025  | Attended | Roadway excavation   | 50.8 | 59 | Y                                               |
| AWRC Site Car Park | 8/04/2025  | Attended | Epoxy Coating        | 53.7 | 59 | Y                                               |
| AWRC Site Car Park | 21/06/2025 | Attended | General Construction | 43.2 | 51 | Y                                               |
| AWRC Site Car Park | 24/06/2025 | Attended | Mechanical Works     | 46.9 | 53 | Y                                               |
| AWRC Site Car Park | 24/06/2025 | Attended | Mechanical Works     | 46.2 | 49 | Y                                               |

### 3.2 Vibration Monitoring

Vibration monitoring was undertaken during the period in accordance with EPL 21800 and the USC Noise and Vibration CEMP Sub-plan (USCP-JHG-MPL-ENV-0007) Results of water monitoring are provided in Table 3-2.

**Table 3-2 – Vibration monitoring results**

| Details | Results |
|---------|---------|
|---------|---------|

| Date                              | Work Location                        | Vibration Limit/Target | Results | Units | Compliant |
|-----------------------------------|--------------------------------------|------------------------|---------|-------|-----------|
| Between 30/11/2023 and 17/11/2023 | WSP - Shooting Centre                | 3mm/s                  | <3      | mm/s  | Yes       |
| 19/12/2023                        | Shooting Centre - Location 1         | 20mm/s                 | 5.5     | mm/s  | Yes       |
| 19/12/2023                        | Shooting Centre - Location 2         | 20mm/s                 | 5.5     | mm/s  | Yes       |
| 14/02/2024                        | North Liverpool Rd East of T-Way     | 7.5 mm/s               | 1.6     | mm/s  | Yes       |
| 22/02/2024                        | Cabramatta Rd at Hebblewhite Reserve | 7.5 mm/s               | 0.468   | mm/s  | Yes       |
| 27/02/2024                        | John St east                         | 7.5 mm/s               | 3.27    | mm/s  | Yes       |
| 27/02/2024                        | John St east                         | 7.5 mm/s               | 3.89    | mm/s  | Yes       |
| 29/02/2024                        | 18 Kensington Cl                     | 7.5 mm/s               | 0.741   | mm/s  | Yes       |
| 29/02/2024                        | 22 Kensington Cl                     | 7.5 mm/s               | 0.008   | mm/s  | Yes       |
| 29/02/2024                        | 20 Kensington Cl                     | 7.5 mm/s               | 1       | mm/s  | Yes       |
| 5/03/2024                         | Cabramatta Rd at Humphries           | 7.5 mm/s               | 3.35    | mm/s  | Yes       |
| 6/03/2024                         | North Liverpool Rd West Wilson       | 7.5 mm/s               | 1.30    | mm/s  | Yes       |
| 9/03/2024                         | 6 Byron Avenue                       | 7.5 mm/s               | 2.70    | mm/s  | Yes       |
| 14/03/2024                        | 4 Cumberland St                      | 7.5 mm/s               | 0.41    | mm/s  | Yes       |
| 21/03/2024                        | 18 Beckenham St                      | 7.5 mm/s               | 1.40    | mm/s  | Yes       |
| 13/04/2024                        | 107 Montgomery St                    | 7.5 mm/s               | 2.70    | mm/s  | Yes       |
| 15/04/2024                        | Feodore Dr near Frederick roundabout | 7.5 mm/s               | 1.10    | mm/s  | Yes       |
| 24/05/2024                        | 24 Park Road on road                 | 7.5 mm/s               | 1.71    | mm/s  | Yes       |
| 29/05/2024                        | Leisure Centre                       | 7.5 mm/s               | 0.10    | mm/s  | Yes       |
| 28/06/2024                        | Lansdowne NGRS                       | 7.5 mm/s               | 0.69    | mm/s  | Yes       |
| 5/07/2024                         | North Liverpool Road                 | 7.5 mm/s               | 1.27    | mm/s  | Yes       |
| 8/08/2024                         | Lansdowne NGRS                       | 7.5 mm/s               | 0.08    | mm/s  | Yes       |
| 27/11/2024                        | Edith St, Lansdowne                  | 3.5mm/s                | 0.676   | mm/s  | Yes       |
| 11/12/2024                        | Edith St, Lansdowne                  | 3.5mm/s                | 0.77    | mm/s  | Yes       |

### 3.3 Water Monitoring

Water monitoring associated with water discharges was undertaken during the period in accordance with Condition P1 and L2 of EPL 21800 and the USC Surface Water and Groundwater CEMP Sub-plan (USCP-JHG-MPL-ENV-0001). Results of water monitoring are provided in Table 3-3.

**Table 3-3 – Water monitoring results**

| Date       | Location                        | pH   | Turbidity (NTU) | Oil and/or Grease | Chloride (mg/L) |
|------------|---------------------------------|------|-----------------|-------------------|-----------------|
| 29/04/2024 | Cosgroves Creek                 | 8.04 | 16.20           | None Visible      | Not detected    |
| 7/05/2024  | Badgery's Creek                 | 7.89 | 5.80            | None Visible      | 0.18            |
| 8/05/2024  | Badgery's Creek                 | 8.07 | 3.40            | None Visible      | 0.03            |
| 16/05/2024 | Brine - Curtin St               | 8.28 | 32.10           | None Visible      | 0.26            |
| 17/05/2024 | Brine - Curtin St               | 8.47 | 33.00           | None Visible      | 0.46            |
| 20/05/2024 | Brine - Curtin St               | 7.02 | 1.00            | None Visible      | 0.12            |
| 22/05/2024 | Treated Water - Ch228           | 7.13 | 24.70           | None Visible      | Not detected    |
| 22/05/2024 | Brine - Ch 18724                | 8.41 | 7.90            | None Visible      | 0.4             |
| 23/05/2024 | Brine - John St (East) Ch 18712 | 8.31 | 22.10           | None Visible      | 0.34            |
| 27/05/2024 | Brine - John St (East)          | 8.49 | 30.90           | None Visible      | 0.03            |
| 28/05/2024 | Brine - Fairview Rd             | 7.95 | 7.10            | None Visible      | 0.14            |
| 30/05/2024 | Treated Water - Ch15090         | 7.96 | 29.70           | None Visible      | 0.04            |
| 3/06/2024  | Brine - Chancery St             | 8.29 | 1.20            | None Visible      | 0.48            |
| 3/06/2024  | Brine - Curtin St               | 8.30 | 4.30            | None Visible      | 0.12            |
| 4/06/2024  | Brine - Curtin St               | 8.25 | 23.00           | None Visible      | 0.16            |
| 4/06/2024  | Brine - Chancery St             | 8.30 | 11.30           | None Visible      | 0.12            |
| 5/06/2024  | Brine - Curtin St CH 20983      | 7.96 | 0.00            | None Visible      | 0.03            |
| 7/06/2024  | Brine - Bartley St CH 20291.6   | 8.03 | 1.30            | None Visible      | 0.07            |
| 11/06/2024 | Brine - Bartley St CH 20291.6   | 8.42 | 28.80           | None Visible      | 0.05            |
| 12/06/2024 | Brine - Bartley St CH 20291.6   | 8.34 | 35.90           | None Visible      | Not detected    |
| 18/06/2024 | Oaky Creek                      | 8.41 | 34.00           | None Visible      | N/A             |
| 25/06/2024 | Brine - Woolway Park            | 8.16 | 33.80           | None Visible      | 0.17            |
| 4/07/2024  | CH1028                          | 8.41 | 35.70           | None Visible      | 0.09            |
| 5/07/2024  | Bartley Street                  | 8.16 | 3.70            | None Visible      | 0.21            |
| 9/07/2024  | AWRC HES Basin                  | 8.38 | 34.90           | None Visible      | Not detected    |
| 9/07/2024  | Discharge Structure             | 8.49 | 34.00           | None Visible      | Not detected    |

|            |                                |      |       |              |              |
|------------|--------------------------------|------|-------|--------------|--------------|
| 9/07/2024  | Discharge Structure            | 8.30 | 15.20 | None Visible | Not detected |
| 10/07/2024 | Brine - Bartley St CH 20291.6  | 7.50 | 3.80  | None Visible | 0.16         |
| 11/07/2024 | Discharge Structure            | 7.89 | 5.20  | None Visible | Not detected |
| 15/07/2024 | AWRC HES Basin                 | 8.22 | 31.70 | None Visible | Not detected |
| 16/07/2024 | John St - Brine                | 7.55 | 1.90  | None Visible | Not detected |
| 16/07/2024 | Fowlers Reserve - HDD          | 7.94 | 7.20  | None Visible | 0.06         |
| 18/07/2024 | AWRC HES Basin                 | 8.20 | 15.10 | None Visible | Not detected |
| 18/07/2024 | Brine - Bartley St CH 20291.6  | 7.50 | 29.60 | None Visible | 0.31         |
| 18/07/2024 | Brine - Edensor Rd             | 7.71 | 9.80  | None Visible | 0.31         |
| 19/07/2024 | Brine - Cumberland St CH 20675 | 7.65 | 17.30 | None Visible | Not detected |
| 19/07/2024 | Brine - Bartley St CH 20291.6  | 7.79 | 17.00 | None Visible | 0.18         |
| 22/07/2024 | Fowlers Reserve                | 7.66 | 15.80 | None Visible | 0.31         |
| 23/07/2024 | Curtin St, Brine               | 7.88 | 19.40 | None Visible | Not detected |
| 24/07/2024 | Discharge Structure            | 6.73 | 34.60 | None Visible | Not detected |
| 26/07/2024 | Discharge Structure            | 8.37 | 35.70 | None Visible | Not detected |
| 26/07/2024 | Chancery St CH21925            | 7.85 | 35.50 | None Visible | 0.49         |
| 1/08/2024  | Fowlers Farm                   | 6.65 | 2.60  | None Visible | 0.07         |
| 6/08/2024  | Ch15090                        | 7.21 | 0.00  | None Visible | Not detected |
| 6/08/2024  | John St Brine CH18148          | 7.95 | 0.00  | None Visible | Not detected |
| 6/08/2024  | Chancery St CH22121            | 7.75 | 0.00  | None Visible | 0.12         |
| 7/08/2024  | Ch15090                        | 7.30 | 0.00  | None Visible | Not detected |
| 9/08/2024  | Curtin St CH 20983             | 7.83 | 0.00  | None Visible | 0.11         |
| 12/08/2024 | Package 1 Treated Scour        | 7.02 | 3.00  | None Visible | 0.18         |
| 13/08/2024 | Cosgroves Creek, CH 7336       | 7.57 | 10.40 | None Visible | Not detected |
| 13/08/2024 | Treated - Package 1 Scour Pit  | 7.75 | 0.00  | None Visible | 0.04         |
| 14/08/2024 | Cosgroves Creek, CH 7336       | 7.97 | 0.00  | None Visible | Not detected |
| 14/08/2024 | AWRC - HES Basin               | 8.15 | 0.00  | None Visible | Not detected |
| 14/08/2024 | Treated - Package 1 Scour Pit  | 7.12 | 0.00  | None Visible | 0.04         |
| 15/08/2024 | Cosgroves Creek, CH 7336       | 8.01 | 0.00  | None Visible | Not detected |
| 15/08/2024 | Ch14627 - Jerry's Creek east   | 6.72 | 0.00  | None Visible | 0.09         |
| 16/08/2024 | Ch14627 - Jerry's Creek east   | 7.37 | 0.00  | None Visible | 0.06         |
| 19/08/2024 | Cross St CH 4300               | 7.66 | 0.00  | None Visible | 0.38         |

|            |                              |      |      |              |              |
|------------|------------------------------|------|------|--------------|--------------|
| 19/08/2024 | Package 1 Treated Scour      | 8.42 | 3.00 | None Visible | 0.17         |
| 20/08/2024 | Willowbank Cres 22800        | 7.09 | 0.00 | None Visible | 0.32         |
| 20/08/2024 | Cross St CH 4300             | 7.28 | 0.00 | None Visible | 0.28         |
| 20/08/2024 | Package 1 Treated Scour      | 8.33 | 0.00 | None Visible | 0.14         |
| 20/08/2024 | Ch14627 - Jerry's Creek east | 7.83 | 0.00 | None Visible | 0.07         |
| 21/08/2024 | Ch14625 - James St           | 6.87 | 0.00 | None Visible | 0.23         |
| 21/08/2024 | Package 1 Treated Scour      | 7.04 | 0.00 | None Visible | 0.13         |
| 21/08/2024 | Ch14625 - James St           | 7.37 | 0.00 | None Visible | 0.1          |
| 21/08/2024 | Ch14627 - Jerry's Creek east | 7.49 | 0.00 | None Visible | 0.06         |
| 22/08/2024 | Package 1 Treated Scour      | 7.51 | 0.00 | None Visible | 0.03         |
| 27/08/2024 | Package 1 Treated Scour      | 7.83 | 0.00 | None Visible | Not detected |
| 27/08/2024 | Package 1 Brine Scour        | 7.36 | 0.00 | None Visible | 0.03         |
| 28/08/2024 | Package 1 Treated Scour      | 7.83 | 0.00 | None Visible | 0.23         |
| 2/09/2024  | Package 1 Treated Scour      | 7.23 | 0.00 | None Visible | 0.48         |
| 2/09/2024  | Feodore Dr CH 10210          | 8.41 | 0.00 | None Visible | 0.15         |
| 3/09/2024  | 98 Fairview St               | 7.82 | 0.00 | None Visible | 0.23         |
| 4/09/2024  | 98 Fairview St               | 7.60 | 0.00 | None Visible | 0.11         |
| 5/09/2024  | John St East CH 18340        | 7.57 | 5.90 | None Visible | 0.12         |
| 9/09/2024  | Park Rd CH1180               | 7.13 | 0.00 | None Visible | 0.41         |
| 9/09/2024  | John St CH18150              | 7.90 | 0.00 | None Visible | 0.4          |
| 11/09/2024 | Fairview Rd CH 21400         | 7.67 | 0.00 | None Visible | 0.08         |
| 13/09/2024 | Shooting Centre Scour CH7187 | 7.35 | 1.80 | None Visible | 0.36         |
| 16/09/2024 | North Liverpool Rd Ch11800   | 7.56 | 0.00 | None Visible | 0.47         |
| 16/09/2024 | Badgery's Creek HDD          | 7.62 | 0.00 | None Visible | 0.47         |
| 16/09/2024 | South Creek CH1475           | 6.95 | 0.00 | None Visible | 0.13         |
| 17/09/2024 | Badgery's Creek HDD          | 7.55 | 0.00 | None Visible | 0.3          |
| 17/09/2024 | Chancery St CH22116          | 7.36 | 0.00 | None Visible | 0.05         |
| 18/09/2024 | Hebblewhite Reserve          | 8.15 | 0.00 | None Visible | 0.34         |

|            |                                  |      |       |              |              |
|------------|----------------------------------|------|-------|--------------|--------------|
| 20/09/2024 | Hebblewhite Reserve              | 7.62 | 0.00  | None Visible | 0.3          |
| 26/09/2024 | AWRC - HES Basin                 | 7.97 | 4.80  | None Visible | 0.07         |
| 27/09/2024 | AWRC - HES Basin                 | 8.15 | 3.20  | None Visible | 0.07         |
| 30/09/2024 | Feodore Dr CH 10210              | 8.06 | 0.00  | None Visible | 0.2          |
| 30/09/2024 | AWRC - HES Basin                 | 8.37 | 0.00  | None Visible | 0.03         |
| 3/10/2024  | Willowbank Cres CH 22800         | 7.18 | 0.00  | None Visible | 0.15         |
| 8/10/2024  | Package 1 Brine Scour            | 7.33 | 2.70  | None Visible | 0.15         |
| 10/10/2024 | Feodore Dr CH 10200              | 8.45 | 0.00  | None Visible | 0.12         |
| 11/10/2024 | AWRC - HES Basin                 | 7.80 | 6.80  | None Visible | Not detected |
| 11/10/2024 | Package 1 CH 1435                | 7.88 | 4.40  | None Visible | 0.07         |
| 14/10/2024 | AWRC - HES Basin                 | 7.93 | 7.50  | None Visible | 0.04         |
| 16/10/2024 | Package 1 CH 1000                | 7.98 | 8.70  | None Visible | 0.18         |
| 18/10/2024 | Package 1 CH 1000                | 7.68 | 32.70 | None Visible | Not detected |
| 21/10/2024 | Nepean River Discharge Structure | 8.05 | 13.30 | None Visible | Not detected |
| 22/10/2024 | Nepean River Discharge Structure | 6.83 | 20.20 | None Visible | Not detected |
| 23/10/2024 | Montgomery Rd Scour              | 7.96 | 7.90  | None Visible | 0.02         |
| 24/10/2024 | Package 1 CH 1000                | 8.47 | 0.00  | None Visible | Not detected |
| 24/10/2024 | Feodore Dr CH 10210              | 6.77 | 11.20 | None Visible | 0.08         |
| 28/10/2024 | Willowbank CH 22804.4            | 7.15 | 35.40 | None Visible | 0.1          |
| 29/10/2024 | Cross St CH 4725                 | 8.36 | 29.90 | None Visible | 0.09         |



|            |                       |      |       |              |              |
|------------|-----------------------|------|-------|--------------|--------------|
| 30/10/2024 | RBM12 CH 5000         | 6.60 | 35.60 | None Visible | 0.33         |
| 8/11/2024  | Vale St CH 21725      | 7.40 | 36.10 | None Visible | 0.29         |
| 11/11/2024 | Chancery St CH 21935  | 6.63 | 34.50 | None Visible | 0.27         |
| 13/11/2024 | Vale St CH 21725      | 6.68 | 35.60 | None Visible | 0.21         |
| 18/11/2024 | Willowbank CH 22804.4 | 7.42 | 1.70  | None Visible | 0.28         |
| 18/11/2024 | Park Rd CH12163       | 7.55 | 8.50  | None Visible | 0.15         |
| 20/11/2024 | Lennox Reserve        | 6.87 | 1.60  | None Visible | Not detected |
| 22/11/2024 | Park Rd CH 14777      | 7.61 | 15.70 | None Visible | 0.15         |
| 22/11/2024 | Park Rd CH 12163      | 8.04 | 9.00  | None Visible | 0.1          |
| 25/11/2024 | 332 Park Rd CH 13158  | 6.57 | 16.60 | None Visible | Not detected |
| 3/12/2024  | MBR to OSD            | 8.2  | 25.2  | None Visible | 0.03         |
| 11/12/2024 | AWRC HES Basin        | 8.3  | 0.0   | None Visible | 0.03         |
| 12/12/2024 | AWRC HES Basin        | 8.4  | 10.6  | None Visible | 0.03         |
| 13/12/2024 | AWRC HES Basin        | 7.3  | 0.5   | None Visible | 0.03         |
| 14/12/2024 | AWRC HES Basin        | 7.7  | 25.4  | None Visible | 0.03         |
| 16/12/2024 | AWRC HES Basin        | 8.3  | 19.3  | None Visible | 0.03         |
| 29/01/2025 | AWRC HES Basin        | 7.4  | 5.1   | None Visible | 0.04         |
| 30/01/2025 | AWRC HES Basin        | 7.5  | 27.7  | None Visible | 0.03         |
| 31/01/2025 | AWRC HES Basin        | 7.5  | 26.6  | None Visible | Not detected |
| 3/02/2025  | AWRC HES Basin        | 8.0  | 2.4   | None Visible | 0.07         |

|            |                  |     |      |              |              |
|------------|------------------|-----|------|--------------|--------------|
| 4/02/2025  | AWRC HES Basin   | 8.1 | 8.5  | None Visible | Not detected |
| 5/02/2025  | AWRC HES Basin   | 8.2 | 1.1  | None Visible | Not detected |
| 6/02/2025  | AWRC HES Basin   | 8.2 | 6.9  | None Visible | Not detected |
| 7/02/2025  | AWRC HES Basin   | 8.0 | 20.0 | None Visible | 0.08         |
| 8/02/2025  | AWRC HES Basin   | 8.1 | 6.0  | None Visible | Not detected |
| 11/02/2025 | AWRC HES Basin   | 8.2 | 25.6 | None Visible | 0.07         |
| 12/02/2025 | AWRC HES Basin   | 8.2 | 20.8 | None Visible | Not detected |
| 20/05/2025 | AWRC HES Basin   | 7.9 | 0.2  | None Visible | 0.09         |
| 21/05/2025 | AWRC HES Basin   | 8.2 | 30.5 | None Visible | 0.02         |
| 22/05/2025 | AWRC HES Basin   | 7.6 | 4.8  | None Visible | Not detected |
| 23/05/2025 | AWRC HES Basin   | 7.5 | 32.7 | None Visible | Not detected |
| 24/05/2025 | SRM - Thompson 1 | 7.9 | 4.7  | None Visible | 0.04         |
| 24/05/2025 | SRM - Thompson 2 | 7.6 | 1.6  | None Visible | 0.04         |
| 24/05/2025 | SRM - Lowes      | 7.6 | 0.3  | None Visible | 0.11         |
| 26/05/2025 | AWRC HES Basin   | 8.4 | 25.9 | None Visible | Not detected |
| 28/05/2025 | AWRC HES Basin   | 8.4 | 10.4 | None Visible | Not detected |
| 29/05/2025 | AWRC HES Basin   | 8.2 | 13.0 | None Visible | 0.04         |
| 30/05/2025 | AWRC HES Basin   | 8.4 | 12.1 | None Visible | 0.05         |
| 16/06/2025 | AWRC HES Basin   | 8.4 | 30.9 | None Visible | 0.41         |
| 17/06/2025 | AWRC HES Basin   | 8.2 | 30.8 | None Visible | 0.02         |
| 18/06/2025 | AWRC HES Basin   | 7.8 | 30.4 | None Visible | 0.05         |

|            |                |     |      |              |              |
|------------|----------------|-----|------|--------------|--------------|
| 20/06/2025 | AWRC HES Basin | 7.8 | 34.6 | None Visible | 0.02         |
| 23/06/2025 | AWRC HES Basin | 8.1 | 26.4 | None Visible | Not detected |
| 24/06/2025 | AWRC HES Basin | 7.9 | 23.4 | None Visible | Not detected |
| 25/06/2025 | AWRC HES Basin | 8.1 | 31.8 | None Visible | 0.02         |