|  |
| --- |
| * This Interim Wastewater Infrastructure (IWI) Operating Plan (the ‘plan’) & Agreement (the ‘agreement’) template is to be used to detail how you (the ‘developer’) will plan, design, construct and operate the proposed interim wastewater infrastructure for your development, in accordance with the requirements specified in the Interim Wastewater Infrastructure Standard (the ‘Standard’).
* Each section of the plan template contains a reference to the corresponding section of the Standard, where the detailed requirements are outlined
* Equivalent alternative design, materials and construction methodology may be used if approved.
* Additional technical clauses specific to the needs of individual projects must be added to the proposal document when it is deemed necessary
* Once the plan is accepted by Sydney Water, and the agreement is signed by you and Sydney Water, it will form a binding agreement between the parties
 |

**Case Number: [insert]**

**Development: [insert]**

IWI Agreement

|  |  |
| --- | --- |
| **Parties** |  |
| Developer | [insert developer’s full legal name] (ABN ###)Address |
| Sydney Water | Sydney Water Corporation (ABN 49 776 225 038)1 Smith Street, Parramatta, 2150 NSW |

Contents

[IWI Agreement 4](#_Toc204956398)

[Agreement Execution 5](#_Toc204956399)

[Agreement Terms and Conditions 6](#_Toc204956400)

[Clause 1. Term and Operational Period. 6](#_Toc204956401)

[Clause 2. Ownership and Responsibility 6](#_Toc204956402)

[Clause 3. Non-conformance 8](#_Toc204956403)

[Clause 4. Warranties 8](#_Toc204956404)

[Clause 5. Insurance 8](#_Toc204956405)

[Clause 6. Indemnity 9](#_Toc204956406)

[Clause 7. Service of notices 9](#_Toc204956407)

[Clause 8. General 9](#_Toc204956408)

[IWI Plan 11](#_Toc204956409)

[1. Development details 12](#_Toc204956410)

[2. Definitions and Interpretation 12](#_Toc204956411)

[2.1 Definitions 13](#_Toc204956412)

[2.2 Interpretation 13](#_Toc204956413)

[3. Description 14](#_Toc204956414)

[3.1 IWI description 14](#_Toc204956415)

[3.2 Alignment with ultimate servicing strategy 14](#_Toc204956416)

[3.3 Location of development and IWI 14](#_Toc204956417)

[3.4 Delivery timeframes and operational lifespan of IWI 14](#_Toc204956418)

[3.5 Contingency plan 15](#_Toc204956419)

[4. Properties / areas to be serviced 15](#_Toc204956420)

[4.1 Actual and maximum number of properties / area 15](#_Toc204956421)

[4.2 Types of properties 15](#_Toc204956422)

[4.3 Development timing and take-up rate 15](#_Toc204956423)

[4.4 Wastewater flow schedule 15](#_Toc204956424)

[5. Risk Assessment 16](#_Toc204956425)

[5.1 General 16](#_Toc204956426)

[5.2 Safety 16](#_Toc204956427)

[5.3 Environment 16](#_Toc204956428)

[5.4 Community 16](#_Toc204956429)

[5.5 Operational 16](#_Toc204956430)

[5.6 Maintenance 17](#_Toc204956431)

[5.7 Security Risk 17](#_Toc204956432)

[5.8 Timing of development and ultimate servicing 17](#_Toc204956433)

[5.9 Business continuity 17](#_Toc204956434)

[6. Technical specification 17](#_Toc204956435)

[6.1 Gravity Sewer 17](#_Toc204956436)

[6.2 Pump out / tankering 17](#_Toc204956437)

[Appendix 1 Development Progression Data 22](#_Toc204956438)

[Appendix 2 Typical Diurnal Pattern 23](#_Toc204956439)

[Appendix 3 Flow / Storage Components 24](#_Toc204956440)

[Appendix 4 Data Requirements 25](#_Toc204956441)

[Appendix 5 Levels and Alarms 26](#_Toc204956442)

[Appendix 6 Tanker Cycling 27](#_Toc204956443)

IWI Agreement

# Agreement Execution

By signing this IWI Agreement, the parties below agree to be bound by the terms and conditions in this IWI Agreement and the IWI Standard.

**Executed as a deed**

|  |
| --- |
| **Executed** for and on behalf of **[insert developer’s legal name]** in accordance with section 127(1) of the Corporations Act 2001 (Cth): |
|  |  |
| Signature of Director |  | Signature of Director/Corporate Secretary |
| Name of Director |  | Name of Director/Corporate Secretary |
| Date Click or tap to enter a date. |  | Date Click or tap to enter a date. |
|  |  |

|  |
| --- |
| **Signed sealed and delivered** by **Sydney Water Corporation** by its authorised representative:  |
|  |  |
| Signature of Authorised Representative |  | Signature of witness  |
| Name  |  | Name of witness  |
| Date Click or tap to enter a date. |  |  |
|  |  |

# Agreement **Terms** and Conditions

Defined terms for the agreement and plan are as set out in section 2.1 of the IWI plan and the IWI Standard and as follows:

* ‘Clauses’ are the numbered items within these terms and conditions.
* ‘Sections’ are the numbered items within the body of the plan.
* You /your means the Developer party executing this agreement
* Us /we means Sydney Water
* Extended Term has the meaning given in clause 1.
1. Term and Operational Period.
2. This Agreement will commence on the Commencement Date and expire on the Expiry Date, unless otherwise extended or terminated in accordance with these terms (Term).
3. The IWI is approved by us for operation during the Operational Period.
4. If the Operational Period is required to be extended, then the procedure to extend the Operational Period as set out in the IWI Standard and this clause 1 is to be followed.
5. If you require the Operational Period to be extended and have provided the required notice and documents, then:
	1. If there are no changes to the operating conditions or risk level of the IWI, Sydney Water will approve a reasonable period of extension to the Operational Period (Extended Operational Period); or
	2. If there are changes to the operating conditions or risk level of the IWI, then Sydney Water may grant approval for an extension of Operational Period, subject to additional conditions to this IWI Agreement. If those additional conditions are accepted by the Developer, then the Operational Period will be extended (Extended Operational Period).
6. Ownership and Responsibility

You acknowledge you are the owner of the IWI Infrastructure and are solely responsible for the IWI including its design, construction, operation, maintenance and decommissioning in accordance with this Agreement, unless ownership of the IWI Infrastructure is transferred to Sydney Water under the developer works deed or any other document signed between the parties setting out the terms of the transfer of the infrastructure.

**Your** **Obligations**

* 1. General

You must:

1. ensure the IWI is designed, constructed and managed in compliance with this Agreement, the Operating Licence, the Planning Approval, any Environment Protection Licence applying to the IWI (refer to Section 2.1.), and all applicable laws.
2. ensure that the IWI is designed by and constructed by appropriately qualified Listed Providers, and that the IWI is fit for purpose;
3. not do anything that would cause Sydney Water to be in breach of its obligations under its Operating Licence, its EPL or any applicable laws such as the Protection of the Environment Operations Act 1997 (NSW);
4. notify Sydney Water if there is an inconsistency between the IWI, the Planning Approval or Environment Protection Licence. The Developer must notify Sydney Water and obtain Sydney Water’s consent to vary the IWI to address the inconsistency; and
5. comply with the IWI Standard, a copy of which is attached in Schedule 2.
	1. Construction and Commissioning

You must

1. notify us when you intend to commence construction of the IWI;
2. test and commission all tanks, pipework & fittings forming part of the IWI and ensure the IWI is consistent with the SW Edition of WSA 02; and
3. obtain our approval for the IWI before you are permitted to connect to our system. If the collection system forming part of the IWI does not meet the testing requirements (see Section 6.2.5 of the IWI), Sydney Water will not grant its approval for connection.
	1. Environment

You must:

1. not allow any odours escape from the tanks of the IWI Infrastructure when they are closed/sealed.
2. ensure that the IWI is designed, constructed and operated so that:
3. there is no detrimental impact on the existing wet weather performance under the EPL (if applicable);
4. there is no impact on amenity as a result of noise or odour from the IWI.
	1. Incident Response Plan and Communication Protocol
5. You must have an Incident Response Plan (as defined in the Standard) and Communication Protocol (as defined in the Standard) in place to ensure that personnel are trained in the Incident Response Plan.
6. If an environmental incident occurs in relation to the IWI, you must:
	* 1. implement the Incident Response Plan and Communication Protocol
		2. follow any directions issued by Sydney Water
7. If you fail to follow Sydney Water’s instructions and undertake required actions, then Sydney Water may carry out response actions as it deems appropriate and will recover its cost from you as a debt.
8. If requested, you must provide Sydney Water with a copy of the Incident Response Plan and Communication Protocol.
	1. Variation
9. If you consider that a variation is required to the IWI plan, you may submit a written notice to Sydney Water (expressed as a “Variation Notice”) requesting this. The notice must include details of any changes to the IWI, including appropriate risk assessment and mitigation measures.
10. Sydney Water may, acting reasonably, approve the Variation with or without conditions, or reject the Variation.
11. You are liable for any and all costs arising out of the Variation.
	1. Decommissioning

You must decommission the IWI in accordance with the Decommissioning Plan in Section XXX of the plan.

1. Non-conformance

If there is a non-conformance with this IWI Agreement, including the IWI plan or the IWI Standard, Sydney Water may, at your cost, require you to attend a debrief with Sydney Water and provide an action plan to prevent a recurrence of the non-conformance. Until the issue is resolved, Sydney Water may choose to implement appropriate contingency measures itself, at your cost.

1. Warranties

You warrant that the IWI is designed in compliance with this IWI Agreement.

1. Insurance
2. You must, or ensure that your contractors must, effect and maintain with a reputable insurance company the following insurance:
3. Public liability insurance to cover all of its obligations and liabilities under this Agreement for an amount of not less than $20,000,000, covering you and your employees and subcontractors for any one event, and unlimited to the number of events in any one policy year; and
4. Workers' compensation insurance in accordance with applicable legislation in respect of all of any employees;
5. If requested by Sydney Water, you must provide satisfactory evidence that the insurance required by this clause has been affected and maintained.
6. Indemnity
7. You must, at all times, indemnify, hold harmless, and defend Sydney Water and its employees (Indemnified Persons) from and against any and all liability, damages, expenses, fines, penalties, costs and losses (including reasonable legal expenses) of any kind or nature, however they arise and whether they are present or future, fixed or unascertained, actual or contingent and including any loss of profits, loss of revenue or loss of opportunity which may be suffered or incurred by Those Indemnified, arising out of or in connection with the IWI, in respect of or in any way in connection with:
8. loss of, damage to or interference with the property of Sydney Water (including loss of use);
9. loss of, damage to or interference with any other property (including any adjoining property);
10. personal injury, disease, illness or death;
11. non-compliance, contravention or breach of any approval, licence, consent or similar; or
12. infringement of the Intellectual Property Rights of a third party.
13. Your liability to indemnify Those Indemnified by this clause shall be and is reduced proportionally to the extent that Those Indemnified caused or contributed to the loss or liability.
14. This clause survives expiry or termination of this Agreement.
15. Service of notices

A notice, consent or other communication given under this Agreement is only effective if it is in writing and signed by or on behalf of the party giving it (email signature is acceptable) and addressed to the receiving Party’s Representative.

1. General
2. **Inconsistent with law**: Any provisions of this Agreement which are held to be illegal or otherwise in conflict with any laws, statutes or regulations will be deemed to be severed from the remainder of this Agreement and the validity of the remaining provisions will not be affected.
3. **Relationship**: Nothing contained or implied in this Agreement constitutes a Party as the partner, agent or legal representative of the other Party for any purpose or creates any partnership, agency or trust, and a Party has no authority to bind the other Party in any way.
4. **Assignment and novation**: Neither Party may assign, novate or otherwise transfer any obligation under this Agreement, without the prior written consent of the other. Unless stated in writing to the contrary, no assignment or transfer will release the assignor from any obligation under this Agreement.
5. **Counterparts**: This Agreement may consist of a number of counterparts and the counterparts taken together form one and the same document.
6. **Governing law**: This Agreement is governed by the law in force in New South Wales. The parties submit to the non-exclusive jurisdiction of the courts of New South Wales.
7. **Entire agreement**: This Agreement constitutes the entire agreement between the parties about the subject matter of this Agreement, and any previous agreements, understandings and negotiations on the subject matter cease to have any effect.

IWI Plan

1. Development details

|  |  |
| --- | --- |
| **E-developer case number** |  |
| **Development type** | [insert description][insert development consent number] |
| **Development address** |  |
| **Interim Infrastructure type**  | [ ]  Pump to Sewer – Low Pressure System (LPS)[ ]  Tankering |
| **Water Servicing Coordinator** | Name:ABN/ACN:Address:Contact: |
| **Designer** | Name:ABN/ACN:Address:Contact: |
| **Constructor** | Name:ABN/ACN:Address:Contact: |
| **Operator** | Name:ABN/ACN:Address:Contact: |

| **IWI prepared by** |
| --- |
| **Name** | [Enter text] |
| **Title** | [Enter position title] |
| **Company** | [Enter name and position title] |
| **Signature** |  **Date:** Click or tap to enter a date. |
| **IWI verified and endorsed by** |
| **Name** | [Enter text] |
| **Title** | [Enter position title] |
| **Company** | [Enter name and position title] |
| **Signature** |  **Date:**Click or tap to enter a date. |
| **Sydney Water review and endorsement by** |
| **Name** | [Enter text] |
| **Title** |  |
| **Signature** |  **Date:**Click or tap to enter a date. |

1. Definitions and Interpretation
	1. Definitions

|  |
| --- |
| [**Mandatory**. Define all key terms and acronyms that are particular to the Interim Wastewater Infrastructure Operating Plan. Do not include terms that are not mentioned in the document. No need to include defined terms that appear in the IWI Standard] |

| Term | Definition | Source |
| --- | --- | --- |
| **IWI Agreement** | This agreement between you and Sydney Water for the IWI.  |  |
| **Commencement Date** | Click or tap to enter a date. |  |
| **Environment Protection Licence** (or **EPL**) | [insert EPL#] |  |
| **Expiry Date** | 3 months after the Operational Period or any Extended Operational Period.  |  |
| **Extended Operational Period**  | Has the meaning in clause 1 of Schedule 1.  |  |
| **IWI**  | The Interim Wastewater Infrastructure identified in section 3.1 of this document. |  |
| **IWI Plan** | This plan for how you will design, build and operate the IWI.  |  |
| **Operating Licence** | Sydney Water’s current Operating Licence available at Sydney Water website [Operating Licence](https://www.sydneywater.com.au/about-us/our-organisation/what-we-do/operating-licence.html) |  |
| **Operational Period** | Has the meaning in section 3.4 |  |
| **Planning Approval** | [insert planning approval details] |  |
| **SW Edition of WSA 02** | Means the Sewerage Code of Australia WSA, Sydney Water Edition  |  |
| **Term**  | Commencement Date to Expiry Date  |  |
| **Ultimate Servicing Strategy**  | [developer to insert details] |  |

* 1. Interpretation

Unless the contrary intention appears, in this document the following applies:

1. headings are for convenience and do not affect interpretation;
2. the singular includes the plural and vice versa;
3. a reference to a document or an agreement (including this document) includes the document or agreement as varied, novated, supplemented, extended, replaced or restated;
4. the meaning of general words is not limited by specific examples introduced by “including”, “for example” or “such as” or similar expressions;
5. a reference to a particular person includes the person’s executors, administrators, successors, substitutes (including persons taking by novation) and assigns;
6. the word “person” includes an individual, a body corporate, a partnership, a joint venture, an unincorporated association and an authority or any other entity or organisation;
7. a reference to month and year means respectively calendar month and calendar year; and
8. in the interpretation of this document no rule of construction applies to the disadvantage of one party on the basis that that party put forward this document;
9. references to clauses are a reference to the clause in schedule 1.
10. Description
	1. IWI description

|  |
| --- |
| **Mandatory**. Describe the nature of the interim infrastructure that is proposed to be built to service the development.**Standard requirement:** Section 4 |

[Enter text]

* 1. Alignment with ultimate servicing strategy

|  |
| --- |
| **Mandatory**. Demonstrate how the proposed wastewater infrastructure fits within the ultimate servicing strategy for the precinct or development area**Standard requirement:** Section 4.1 |

[Enter text]

* 1. Location of development and IWI

|  |
| --- |
| **Mandatory**. Describe the location, including maps of the development and IWI infrastructure **Standard requirement:** Section 4.2 |

[Enter text]

* 1. Delivery timeframes and operational lifespan of IWI

|  |
| --- |
| **Mandatory**. Provide details of the proposed program of works for the design and construction and the intended period of operation of the IWI **Standard requirement:** Section 4.3 |

[Enter delivery program for IWI ]

The expected lifespan of the IWI Infrastructure from commissioning is: [insert years]

The approved operational period of the IWI by Sydney Water from commissioning and up to and including decommissioning: [insert period] (**Operational Period**). Any variation to this Operational Period is subject to Sydney Water’s prior written approval in accordance with clause 1 of the Agreement Terms & Conditions.

* 1. Contingency plan

|  |
| --- |
| **Mandatory**. Provide details of the contingency that has been allowed for in the wastewater infrastructure design and operations, to manage delays in commissioning of ultimate infrastructure**Standard requirement:** Section 5.5 |

[insert text]

1. Properties / areas to be serviced
	1. Actual and maximum number of properties / area

|  |
| --- |
| **Mandatory**. Provide details of the maximum number of properties and corresponding Equivalent Population (EP) to be serviced by the IWI**Standard requirement:** Section 5.1 |

The maximum EP that the IWI will be able to service: [insert]

[Enter additional text]

* 1. Types of properties

|  |
| --- |
| **Mandatory**. Provide details of the types of properties to be serviced, e.g. density, use type**Standard requirement:** Section 5.2 |

[Enter text]

* 1. Development timing and take-up rate

|  |
| --- |
| **Mandatory**. Provide details of the expected timing and take-up rate of properties that are proposed to be connected to the IWI based on the type of development**Standard requirement:** Section 5.3  |

[Enter text]

* 1. Wastewater flow schedule

|  |
| --- |
| **Mandatory**. Provide details of the likely volume and type of wastewater to be connected to the IWI infrastructure**Standard requirement:** Section 5.4 |
|  |

| Month |  | 1 | 2 | 3 |
| --- | --- | --- | --- | --- |
| Lot development |  |  |  |  |
| Dwelling occupancy |  |  |  |  |
| EP |  |  |  |  |
| Flow (L/s) |  |  |  |  |
| Flow (L/d) |  |  |  |  |

1. Risk Assessment

|  |
| --- |
| **Mandatory**. Provide details of the assessment of risks associated with the IWI Infrastructure and the proposed mitigation methods, using Sydney Water’s risk matrix. At a minimum the following risks should be assessed. The results may be submitted in an attached document and referenced in the sections below**Standard requirement:** Section 6 |

* 1. General

All known risk mitigation measures identified in this IWI must be implemented.

[Enter text]

* 1. Safety

[Enter text]

* 1. Environment

[Enter text]

* 1. Community

[Enter text]

* 1. Operational

[Enter text]

* 1. Maintenance

[Enter text]

* 1. Security Risk

[Enter text]

* 1. Timing of development and ultimate servicing

[Enter text]

* 1. Business continuity

[Enter text]

1. Technical specification
	1. Gravity Sewer

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. This section only applies if the proposed IWI for the development includes a low-infiltration sewer, if allowed. Leak-tight sewers must be used in some areas of Sydney Water’s operation as listed in AMQ0456. In all other development areas, low-infiltration sewers are specified**Standard requirement:** Section 5 |

[Enter text]

* 1. Pump out / tankering

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. This section only applies if the proposed IWI for the development includes a holding tank and tanker pump-out option. The details may be submitted in an attached document and referenced in each of the sections below.**Standard requirement:** Section 5 |

[Enter text]

* + 1. Holding tank design standard

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the holding facility design standard, including scope of works, design criteria and design documentation/drawings **Standard requirement:** Sections 5.2-5.6 |

[Enter text]

* + 1. Holding tank size and configuration

Detail the tank size and arrangement as per Section 5 of Sydney Water’s Interim Operating Plan Guidelines.

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed holding tank size and configuration**Standard requirement:** Sections 5.7 and 5.8 |

[Enter text]

* + 1. Pump-out specification

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the pump-out facility including location, buffer zone and noise/odour impacts where relevant**Standard requirement:** Sections 5.7 and 5.8 |

[Enter text]

* + 1. Site requirements
			1. Stormwater

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the consultation and agreement with the relevant council**Standard requirement:** Sections 5.10.1 |

[Enter text]

* + - 1. Tanker access

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed plan for tanker access and movement**Standard requirement:** Sections 5.10.2 |

* + - 1. Security and signage

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed security provisions and warning signage**Standard requirement:** Sections 5.10.3 |

[Enter text]

* + - 1. Lighting

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed lighting, where it is deemed necessary by a site risk assessment**Standard requirement:** Sections 5.10.4 |

[Enter text]

* + - 1. Odour control

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed odour control provisions for the holding tank and pump-out operations**Standard requirement:** Sections 5.10.5 |

[Enter text]

* + - 1. Emergency Relief System (Overflow)

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed overflow from the holding tank**Standard requirement:** Sections 5.10.6 |

[Enter text]

* + - 1. Tanker connection points

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed tanker connection points including fittings, pipework and bunding**Standard requirement:** Sections 5.10.7 |

Insert text

* + - 1. Discharge point

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed tanker connection points including fittings, pipework and bunding**Standard requirement:** Sections 5.10.8 |

Insert text

* + 1. Testing and commissioning of pump-out

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed testing and commissioning plan for all tanks, pipework and fittings**Standard requirement:** Sections 5.11 |

[Enter text]

* + 1. Maintenance and access

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed plan for maintenance of the holding tank and pump-out infrastructure**Standard requirement:** Sections 5.12 |

[Enter text]

* + 1. Operations and monitoring
			1. Monitoring

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed plan to monitor holding tank levels**Standard requirement:** Sections 5.13.2 |

[Enter text]

* + - 1. Levels and alarms

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed plan for the holding tank level alarm system and associated responses to alarms**Standard requirement:** Sections 5.13.3 |

[Enter text]

* + - 1. Incident Management

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed plan for managing incidents or emergencies, including the roles and responsibilities of all parties**Standard requirement:** Sections 5.13.4 |

[Enter text]

* + - 1. Customer Complaints

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed plan for handling customer complaints and responses**Standard requirement:** Sections 5.13.5 |

[Enter text]

* + - 1. Performance monitoring

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed plan for providing Sydney Water with a monthly report, including any relevant details on connections, volumes, complaints, incidents and progress of interim or permanent infrastructure**Standard requirement:** Sections 5.13.6 |

[Enter text]

* + 1. Decommissioning Plan

|  |
| --- |
| **Mandatory (where this is the proposed infrastructure type)**. Provide details of the proposed work method and timing for how and when the interim infrastructure will be decommissioned, **Standard requirement:** Sections 5.1373 |

[Enter text].

1. Development Progression Data

Only lots to be connected to the IWI.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Month-Year | xx - xx | xx - xx | xx - xx | xx - xx | xx - xx | xx - xx |
| Stage |  |  |  |  |  |  |
| Occupied dwellings / month |  |  |  |  |  |  |
| Occupied dwellings Cumulative |  |  |  |  |  |  |
| School EP |  |  |  |  |  |  |
| Cumulative EP |  |  |  |  |  |  |
| ADWF (L/s) |  |  |  |  |  |  |
| ADWF (L/d) |  |  |  |  |  |  |
| PDWF (L/s) |  |  |  |  |  |  |
| PWWF (L/s) |  |  |  |  |  |  |
| PWWF (L/d) |  |  |  |  |  |  |
| ADWF daily storage (m3) |  |  |  |  |  |  |
| Min PDWF emergency storage (m3) |  |  |  |  |  |  |
| Available system storage (m3) |  |  |  |  |  |  |
| Total required storage (m3) |  |  |  |  |  |  |

1. Typical Diurnal Pattern
2. Flow / Storage Components
3. Data Requirements

| Location Details |
| --- |
| Facility code: SS (SS and the next available number e.g. SS0001) |
| Facility Description: Sewage Storage – *[Suburb]* (e.g. Sewage Storage – The Ponds) |
| Product: Wastewater |
| Owner: Click or tap here to enter text. |
| Project Number: Click or tap here to enter text. |
| Failure Code: FWW SEWE Click or tap here to enter text. |
| Parent Hierarchy: *(ADI to allocate based on system functionality)*Click or tap here to enter text. |
| Address details of the facility |
| Street Number: Click or tap here to enter text. |
| Street Name: Click or tap here to enter text. |
| Suburb: Click or tap here to enter text. |
| Postal Code: Click or tap here to enter text. |
| Nearest Cross Street: Click or tap here to enter text. |
| UBD Map Number: Click or tap here to enter text. |
| UBD Grid Reference: Click or tap here to enter text. |
| Easting: Click or tap here to enter text. |
| Northing: Click or tap here to enter text. |
| Classification  |
| Classification Path: Click or tap here to enter text. |
| Specification Attribute  |
| Overflow detention time (hours): Click or tap here to enter text. |
| Detention capacity (m): *[capacity between ATWL and overflow]* Click or tap here to enter text. |
| Design PDEF (L/s): Click or tap here to enter text. |
| Design wet weather flow (L/s): Click or tap here to enter text. |
| Total storage capacity (ML): Click or tap here to enter text. |
| Telemetry type: Click or tap here to enter text. |
| Power supply authority: Click or tap here to enter text. |
| Incoming supply voltage (kW): Click or tap here to enter text. |
| Connection type of suction pipe: Click or tap here to enter text. |
| Connection size of suction pipe: Click or tap here to enter text. |
| Tanker size: Click or tap here to enter text. |
| Tanker discharge location point: *[Address]* Click or tap here to enter text. |
| Discharge location access: Click or tap here to enter text. |
| Overflow weir crest level (m): (AHD) Click or tap here to enter text. |
| Overflow location: (Description) Click or tap here to enter text. |
| Overflow receiving water: [Name of waterway] Click or tap here to enter text. |
| Overflow UBD map reference: Click or tap here to enter text. |

1. Levels and Alarms
2. Tanker Cycling

|  |  |
| --- | --- |
| **Development name**: Click or tap here to enter text.**Interim pump-out arrangement prior to delivery of name of ultimate infrastructure**: Click or tap here to enter text.**Daily dry weather flow (assumed at date**): Click or tap here to enter text.**Tanker movements**: Click or tap here to enter text. | **Assumptions** |
|  Click or tap here to enter text. |
| **Tanker Capacity**: Click or tap here to enter text.  |
|  | **Tanker 1** | **Tanker 2** | **Tanker 3** | **Tanker 4** |  |  |
| **ADWF (Lis):** |  |  |  |  |  |  |
| **ADWF (L/d):** |  |  |  |  |  |  |
| **T PDWF (L/s):** |  |  |  |  |  |  |
| **Fill rate (Sm depth)** |  |
| **Discharge rate (gravity)** |  |
|  |  |
| **Tankers** | **Fill time** |  **Discharge time** |
| **Tanker 1** |  |  |
| **Tanker 2** |  |  |
| **Tanker route** |
| Distance between: Click or tap here to enter text.Average speed: Click or tap here to enter text.  |
| Time taken: Click or tap here to enter text. |
| Time to set/pack up: Click or tap here to enter text. |
|   | **ADWF (L/d)** |  | **Trips** | **Time taken** |
| **Month 1** |  | **Tanker 1** |  |  | min | hr |
|  |  | **Tanker 2** |  |  | min | hr |
| **Month 2** |  | **Tanker 1** |  |  | min | hr |
|  |  | **Tanker 2** |  |  | min | hr |
| **Month 3** |  | **Tanker 1** |  |  | min | hr |
|  |  | **Tanker 2** |  |  | min | hr |
| **Month 4** |  | **Tanker 1** |  |  | min | hr |
|  |  | **Tanker 2** |  |  | min | hr |
| **Month 5** |  | **Tanker 1** |  |  | min | hr |
|  |  | **Tanker 2** |  |  | min | hr |
| **Month 6** |  | **Tanker 1** |  |  | min | hr |
|   |  | **Tanker 2** |  |  | min | hr |
| **Month 7** |  | **Tanker 1** |  |  | min | hr |
|  |   | **Tanker 2** |  |  | min | hr |
| **Month 8** |  | **Tanker 1** |  |  | min | hr |
|  |  | **Tanker 2** |  |  | min | hr |
| **Month 9** |  | **Tanker 1** |  |  | min | hr |
|  |  | **Tanker 2** |  |  | min | hr |
| **Month 10** |  | **Tanker 1** |  |  | min | hr |
|  |  | **Tanker 2** |  |  | min | hr |
| **Month 11** |  | **Tanker 1** |  |  | min | hr |
|  |  | **Tanker 2** |  |  | min | hr |
| **Month 12** |  | **Tanker 1** |  |  | min | hr |
|  |  | **Tanker 2** |  |  | min | hr |
| **Month 13** |  | **Tanker 1** |  |  | min | hr |
|  |  | **Tanker 2** |  |  | min | hr |
| **Month 14** |  | **Tanker 1** |  |  | min | hr |
|   |   | **Tanker 2** |  |  | min | hr |