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| 1. IOP Details
 |
| **Address on development consent** | Click or tap here to enter text. | Case Number Click or tap here to enter text. |
| **Developer Address** |  Click or tap here to enter text. |
| **Type of Development** |  [ ]  Residential [ ]  Commercial [ ]  Industrial [ ]  Mix Development  |
| **IOP Type** |  [ ]  Tankering [ ]  Pump to [ ]  Temporary Pump Station  |
| **Engineering Disciplines** (as per Engineering Competency Standard) |  [ ]  Civil [ ]  Structural [ ]  Geotechnical [ ]  Mechanical [ ]  Electrical [ ]  Hydraulic [ ]  Instrumentation & Control  |
| List all categories and sub-categories for each discipline from Engineering Competency Standard, listing designer, verifier and independent verifier (if applicable)\*Note: Individual Engineer competency level must comply with Engineering Competency Standard otherwise the design review cannot be progressed and will be returnedCategories of Design Work: Click or tap here to enter text.Sub-categories of Design Work: Click or tap here to enter text. |

| 1. **WSC Details**
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|  **WSC Company** |  **WSC name** |  **Signature** |
|  Click or tap here to enter text. |  Click or tap here to enter text. |  [Physical or electronic signature] |

| 1. **Design Details**
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|  |  |
| --- | --- |
| WSC / Designer use only | Sydney Water use Only |
| Item | Requirements | Y  |  N | N/A | Comments | Y/N | Comments |
| **Option Assessment** | Have you completed option assessment?If ‘No’ the application cannot be progressed if no justification has been provided and design will be returned |[ ] [ ] [ ]  Click or tap here to enter text. | Choose an item. | Click or tap here to enter text. |
| **Flow Schedule** | Has wastewater flow schedule provided?If ‘No’ the application cannot be progressed and will be returned | [ ]  |[ ]  [x]  | Click or tap here to enter text. | Choose an item. | Click or tap here to enter text. |
| **Servicing properties** | What are the maximum properties or area to be serviced? e.g. (Ha) |[ ] [ ] [ ]  Click or tap here to enter text. | Choose an item. | Click or tap here to enter text. |
| **Contingency Plan** | Has contingency plan provided? |[ ] [ ] [ ]  Click or tap here to enter text. | Choose an item. | Click or tap here to enter text. |
| **Risk Assessment** | Has risk assessment competed? |[ ] [ ] [ ]  Click or tap here to enter text. | Choose an item. | Click or tap here to enter text. |
| **Discharge point location** | Where is the discharge point location?What is the distance between IOP and discharge location? Specify if the Sydney Water location asset number is required. |[ ] [ ] [ ]  Click or tap here to enter text. | Choose an item. | Click or tap here to enter text. |
| **IOP duration** | Estimated Operational Duration  | Click or tap here to enter text. | Choose an item. | Click or tap here to enter text. |

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| WSC / Designer use only | Sydney Water use Only |
| Item | Requirements | Comments | Y/N | Comments |
| **Tanker**(this applicable to tanker IOP) | Number of Tankers per day | Click or tap here to enter text. | Choose an item. | Click or tap here to enter text. |
| What is tanker size? | Click or tap here to enter text. | Choose an item. | Click or tap here to enter text. |
| **IICATTS** |  Type of IICATTS monitoring | [ ]  Battery [ ]  Power | Choose an item. | Click or tap here to enter text. |

| 1. **Designer Details / Competency**
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**Geotechnical**

|  **Design Manager / WSC certifying officer Name:** Click or tap here to enter text. |
| --- |
|  **Geotechnical** | Choose an item. | Choose an item. |  **Name of Engineer:** Click or tap here to enter text. |
| **ECS forms provided**  | **YES** [ ] **YE**  | **NO** [ ] **NO ☐** | **C.V’s provided** |  **YES** [ ]  |  **NO** [ ]  |
| **CPENG** | **YES** [ ]  | **NO** [ ]  | **NA** [ ]  |

| **Geotechnical** | Choose an item. | Choose an item. |  **Name of Engineer:** Click or tap here to enter text. |
| --- | --- | --- | --- |
| **ECS forms provided** **Competency demonstrated**  | **YES** [ ] **YES ☐** | **NO** [ ] **NO ☐** | **C.V’s provided** |  **YES** [ ]  |  **NO** [ ]  |
| **CPENG** | **YES** [ ]  | **NO** [ ]  | **NA** [ ]  |

| **Geotechnical** | Choose an item. | Choose an item. |  **Name of Engineer:** Click or tap here to enter text. |
| --- | --- | --- | --- |
| **ECS forms provided** **Competency demonstrated**  | **YES** [ ] **YES ☐** | **NO** [ ] **NO ☐** | **C.V’s provided** |  **YES** [ ]  |  **NO** [ ]  |
| **CPENG** | **YES** [ ]  | **NO** [ ]  | **NA** [ ]  |

**Civil**

|  **Design Manager / WSC certifying officer Name:** Click or tap here to enter text. |
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|  **Civil** | Choose an item. | Choose an item. |  **Name of Engineer:** Click or tap here to enter text. |
| **ECS forms provided** **Competency demonstrat** | **YES** [ ]  | **NO** [ ]  | **C.V’s provided** |  **YES** [ ]  |  **NO** [ ]  |
| **CPENG** | **YES** [ ]  | **NO** [ ]  |  **NA** [ ]  |

|  **Civil** | Choose an item. | Choose an item. |  **Name of Engineer:** Click or tap here to enter text. |
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| **ECS forms provided** **Competency demonstrated**  | **YES** [ ] **YES ☐** | **NO** [ ] **NO ☐** | **C.V’s provided** |  **YES** [ ]  |  **NO** [ ]  |
| **CPENG** | **YES** [ ]  | **NO**  | **NA** [ ]  |

| **Civil** | Choose an item. | Choose an item. |  **Name of Engineer:** Click or tap here to enter text. |
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| **ECS forms provided**  | **YES** [ ]  | **NO** [ ]  | **C.V’s provided** |  **YES** [ ]  |  **NO** [ ]  |
| **Competency demonstrated**  | **YES ☐** | **NO ☐** | **CPENG** |  **YES** [ ]  | **NO** [ ]  |  **NA** [ ]  |

**Structural Engineering**

|  **Design Manager / WSC certifying officer Name:** Click or tap here to enter text. |
| --- |
| **Civil** | Choose an item. | Choose an item. |  **Name of Engineer:** Click or tap here to enter text. |
| **ECS forms provided** **Competency demonstrated**  | **YES** [ ] **YES ☐** | **NO** [ ] **NO ☐** | **C.V’s provided** |  **YES** [ ]  |  **NO** [ ]  |
| **CPENG** | **YES** [ ]  | **NO** [ ]  |  **NA** [ ]  |

| **Structural** Choose an item.Choose an item. |  **Name of Engineer:** Click or tap here to enter text. |
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| **ECS forms provided**  | **YES** [ ]  | **NO** [ ]  | **C.V’s provided** |  **YES** [ ]  |  **NO** [ ]  |
| **Competency demonstrated**  | **YES ☐** | **NO ☐** | **CPENG****If yes, provide copy** |  **YES** [ ]  | **NO** [ ]  |  **NA** [ ]  |

| **Structural** Choose an item.Choose an item. |  **Name of Engineer:** Click or tap here to enter text. |
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| **ECS forms provided** **Competency demonstrated**  | **YES** [ ] **YES ☐** | **NO** [ ] **NO ☐** | **C.V’s provided** |  **YES** [ ]  |  **NO** [ ]  |
| **CPENG****If yes, provide copy** |  **YES** [ ]  | **NO** [ ]  |  **NA** [ ]  |

**Other Engineering Discipline as per ECS**

|  **Design Manager / WSC certifying officer Name:** Click or tap here to enter text. |
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| Choose an item.Choose an item.Choose an item. |  **Name of Engineer:** Click or tap here to enter text. |
| **ECS forms provided** **Competency demonstrated**  | **YES** [ ] **YES ☐** | **NO** [ ] **NO ☐** | **C.V’s provided** |  **YES** [ ]  |  **NO** [ ]  |
| **CPENG** |  **YES** [ ]  | **NO** [ ]  |  **NA** [ ]  |

| Choose an item.Choose an item.Choose an item. |  **Name of Engineer:** Click or tap here to enter text. |
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| **ECS forms provided** **Competency demonstrated**  | **YES** [ ] **YES ☐** | **NO** [ ] **NO ☐** | **C.V’s provided** |  **YES** [ ]  |  **NO** [ ]  |
| **CPENG** |  **YES** [ ]  | **NO** [ ]  |  **NA** [ ]  |
| Choose an item.Choose an item.Choose an item. |  **Name of Engineer:** Click or tap here to enter text. |
| **ECS forms provided** **Competency demonstrated**  | **YES** [ ] **YES ☐** | **NO** [ ] **NO ☐** | **C.V’s provided** |  **YES** [ ]  |  **NO** [ ]  |
| **CPENG** |  **YES** [ ]  | **NO** [ ]  |  **NA** [ ]  |

| 1. **Design Certification by Design Manager**
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| **I certify that:**The overall design as being fit for purpose, meets and complies Sydney Water’s requirements on behalf of the organisation engaged to undertake the design. If you have not checked the design fit for purpose the design cannot be progressed and will be returned.Sydney Water may review the submitted Design and provide comment for consideration Sydney Water does not verify the Design. Sydney Water review of the submitted Design including any supporting documentation does not relieve the Designer of their responsibilities. Responsibilities for the Design remains with the Designer.  |
| **Design Manager / WSC certifier officer Name:** Click or tap here to enter text. | **Date:** Click or tap to enter a date. |
| **WSC Company:** Click or tap here to enter text.  | **WSC Name:** Click or tap here to enter text. |

| 1. **Design changes (Variation)**
 |
| --- |
| **Design change** | **Input review** | **Output review** | **Verification** | **Sydney Water release** |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
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| **Designer Name** Click or tap here to enter text. | **Date**: Click or tap to enter a date. |
| **Design Manager Name** Click or tap here to enter text. | **Date:** Click or tap to enter a date. |
| **WSC certifying other** Click or tap here to enter text. | **Date**: Click or tap to enter a date. |

| 1. **Some Standards & Specifications**
 |
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| [Technical Specification - Civil V10.0 - (sydneywater.com.au)](https://www.sydneywater.com.au/content/dam/sydneywater/documents/provider-information/standards-specifications/technical-specification-civil.pdf) |
| [Technical specification – mechanical (sydneywater.com.au)](https://www.sydneywater.com.au/content/dam/sydneywater/documents/provider-information/standards-specifications/technical-specification-mechanical.pdf) |
| [Technical specification – electrical (sydneywater.com.au)](https://www.sydneywater.com.au/content/dam/sydneywater/documents/provider-information/standards-specifications/technical-specification-electrical.pdf)* [Technical specification – electrical (amendment no. 1, 2023) (sydneywater.com.au)](https://www.sydneywater.com.au/content/dam/sydneywater/documents/provider-information/standards-specifications/technical-specification-electrical-amend-1-2023.pdf)
 |
| [Engineering competency standard (sydneywater.com.au)](https://www.sydneywater.com.au/content/dam/sydneywater/documents/engineering-competency-standard.pdf)* [**Appendix A Evidence of competency form.docx**](https://www.sydneywater.com.au/content/dam/sydneywater/documents/provider-information/standards-specifications/appendix-a-evidence-of-competency-form.docx)
* [**Appendix B Independent Verification Certificate (58.1KB, DOCX)**](https://www.sydneywater.com.au/content/dam/sydneywater/documents/provider-information/standards-specifications/appendix-b-independent-verification-certificate.docx)
 |
| WSAA Codes, Manuals, Standards, Specifications (Sydney Water Editions as appropriate)* [Water Service Association of Australia](https://www.wsaa.asn.au/)
* [WSAA Shop: Sydney Water Codes](https://www.wsaa.asn.au/shop/category/86)
 |
| [Sydney Water Supplement to Pressure Sewerage Code of Australia WSA-07 2007](https://www.sydneywater.com.au/content/dam/sydneywater/documents/sydney-water-supplement-WSA-07-2021.pdf) |
| [Sydney Water supplement to industry standard for submersible pumps for sewage pumping stations WSA 101-2008](https://www.sydneywater.com.au/content/dam/sydneywater/documents/provider-information/standards-specifications/sydney-water-supplement-wsa-101-2008.pdf) |
| [Deviation from standards procedure D0001738 (sydneywater.com.au)](https://www.sydneywater.com.au/content/dam/sydneywater/documents/provider-information/standards-specifications/deviation-from-standards-procedure.pdf)* [Deviation from Standard Procedure - Attachments (forms)](https://www.sydneywater.com.au/content/dam/sydneywater/documents/provider-information/standards-specifications/deviation-from-standards-procedure-attachments.zip)
 |
| **WSA 02– Sewerage Code of Australia (Sydney Water edition)** |
| **WSA 04 – Sewage Pumping Station Code of Australia** |
| **WSA 07 – Pressure Sewerage Code of Australia** |
| **Sydney Water Special Engineering Assessment Procedure** |
| **Sydney Water Safety in Design Procedure** |
| **EPS500 – Engineering Product Specification for Standard Pipes and Fittings for Networks** |
| **Other** |
| [Standards and specifications (sydneywater.com.au)](https://www.sydneywater.com.au/plumbing-building-developing/provider-information/standards-specifications.html) |

Change history

| Version | Issue Date | Author by | Approved by | Brief description of change and consultation |
| --- | --- | --- | --- | --- |
| 1 | 18/05/2025 | Samaneh Sarabi | Noor Alttahir | Developed a new checklist for IOP |