

How-To Guide: DQP Portal

Connect Multiple Meter Registrations
to a Single LID in the DQP Portal

Contents

| | |
|---|----------|
| Contents | 1 |
| 1. Overview | 2 |
| 2. Process | 2 |
| 2.1 Create Registration for 1 st meter to connect to LID | 2 |
| 2.2 Create Registration for ADDITIONAL meter/s to connect to LID | 7 |
| 2.3 LID Procurement | 7 |

Need Help?

Contact dqp.enquiries@waternsw.com.au for assistance with use of the DQP Portal or technical advice on site setup and configuration

1. Overview

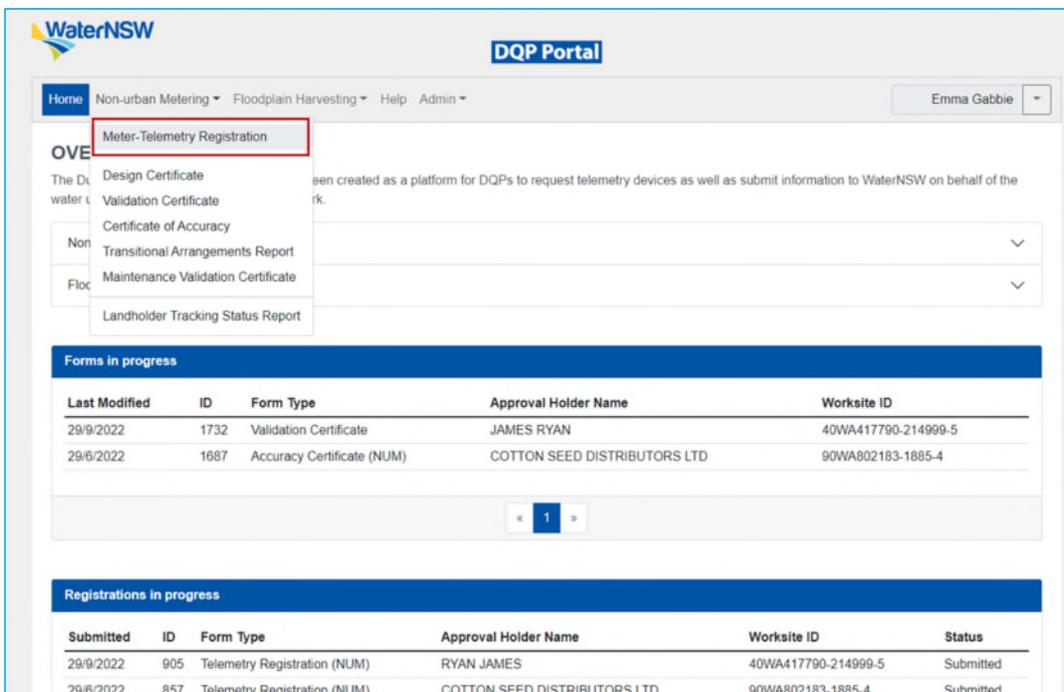
This document outlines the steps for a Duly Qualified Person (DQP) to connect multiple meter registrations to a single Local Intelligence Device (LID).

This procedure describes the functionality of the Campbell Scientific FlowPRO-Multi LID and this device has been approved to connect up to 4 meters/sensors via a serial (Modbus) RS485 connection only therefore this is not suitable for meters with pulse output only.

2. Process

2.1 Create Registration for 1st meter to connect to LID

1. On the DQP Portal Home screen click on “Non-urban Metering” at the top left of the screen and select “Meter-Telemetry Registration”

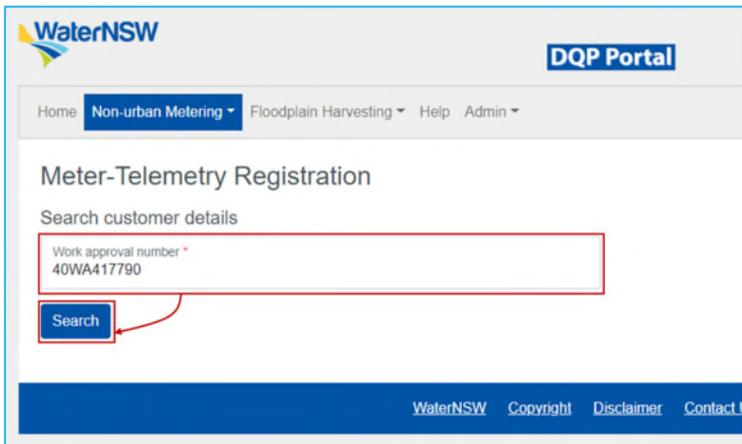


The screenshot shows the DQP Portal interface. At the top, there is a navigation bar with 'Home', 'Non-urban Metering', 'Floodplain Harvesting', 'Help', and 'Admin'. A user profile 'Emma Gabbie' is visible in the top right. A dropdown menu is open under 'Non-urban Metering', with 'Meter-Telemetry Registration' highlighted in a red box. Other options in the menu include 'Design Certificate', 'Validation Certificate', 'Certificate of Accuracy', 'Transitional Arrangements Report', 'Maintenance Validation Certificate', and 'Landholder Tracking Status Report'. Below the menu, there are two tables: 'Forms in progress' and 'Registrations in progress'.

| Last Modified | ID | Form Type | Approval Holder Name | Worksite ID |
|---------------|------|----------------------------|------------------------------|---------------------|
| 29/9/2022 | 1732 | Validation Certificate | JAMES RYAN | 40WA417790-214999-5 |
| 29/6/2022 | 1687 | Accuracy Certificate (NUM) | COTTON SEED DISTRIBUTORS LTD | 90WA802183-1885-4 |

| Submitted | ID | Form Type | Approval Holder Name | Worksite ID | Status |
|-----------|-----|------------------------------|------------------------------|---------------------|-----------|
| 29/9/2022 | 905 | Telemetry Registration (NUM) | RYAN JAMES | 40WA417790-214999-5 | Submitted |
| 29/6/2022 | 857 | Telemetry Registration (NUM) | COTTON SEED DISTRIBUTORS LTD | 90WA802183-1885-4 | Submitted |

2. Enter details of Work Approval and click "Search".



WaterNSW DQP Portal

Home Non-urban Metering Floodplain Harvesting Help Admin

Meter-Telemetry Registration

Search customer details

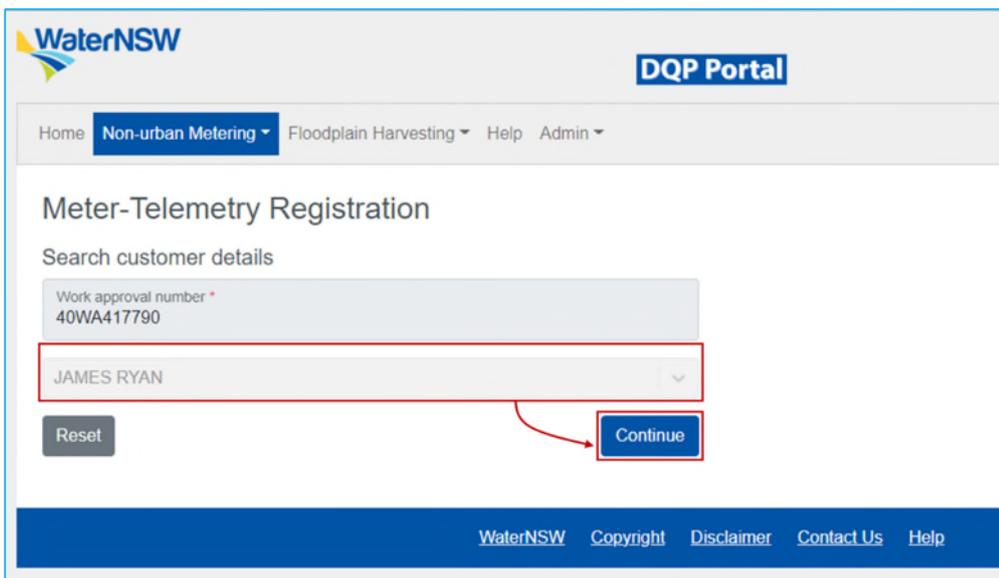
Work approval number *
40WA417790

Search

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3. Select the customer's name from the drop down and click "Continue".

Note: if this is the first time working against this work approval in the DQP Portal, the customer consent request will need to be processed before any more work can be completed.



WaterNSW DQP Portal

Home Non-urban Metering Floodplain Harvesting Help Admin

Meter-Telemetry Registration

Search customer details

Work approval number *
40WA417790

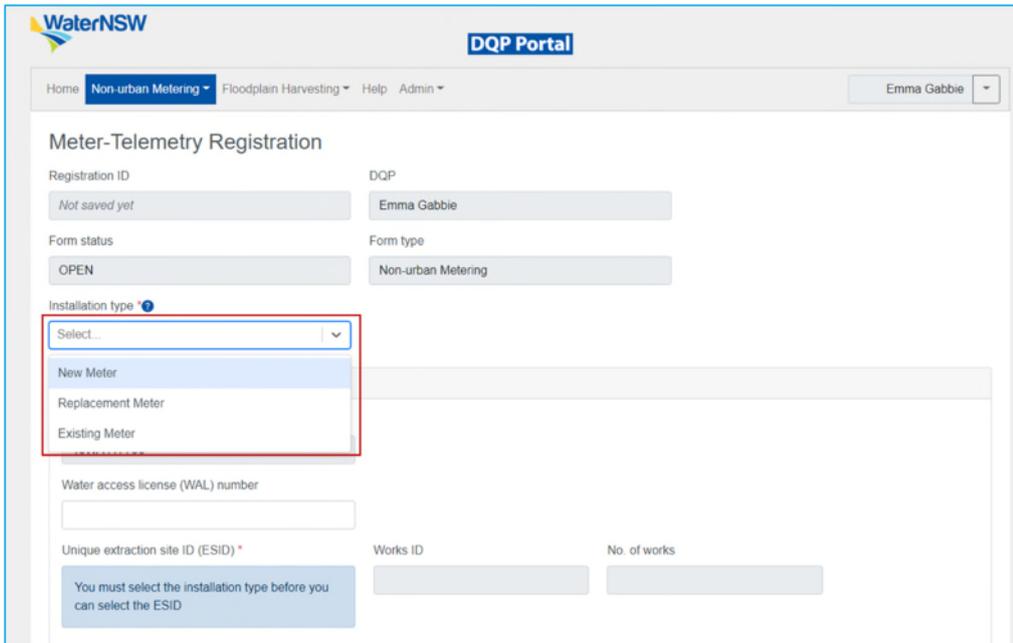
JAMES RYAN

Reset Continue

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4. Accept the acknowledgement at the bottom of the pages showing information about the registration process and requirement – this will bring up the Meter Telemetry Registration form.

- Select the installation type from the "Installation Type" drop down menu. This will open up details of which site against the work approval the metering equipment is to be installed against.



WaterNSW DQP Portal

Home Non-urban Metering Floodplain Harvesting Help Admin Emma Gabbie

Meter-Telemetry Registration

Registration ID: Not saved yet DQP: Emma Gabbie

Form status: OPEN Form type: Non-urban Metering

Installation type: **Select...**

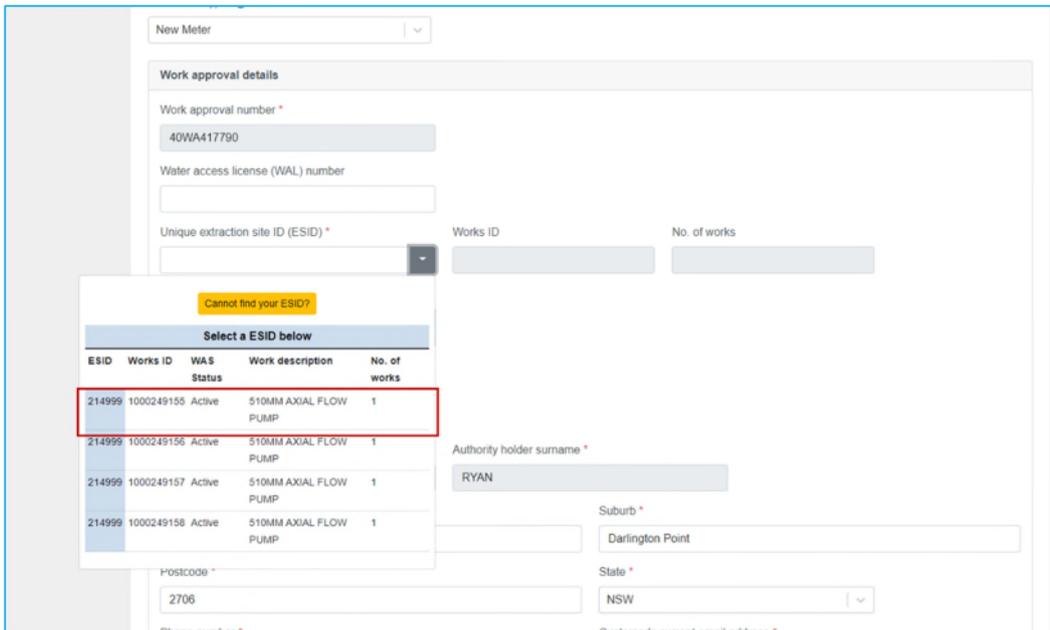
- New Meter
- Replacement Meter
- Existing Meter

Water access license (WAL) number:

Unique extraction site ID (ESID) * Works ID No. of works

You must select the installation type before you can select the ESID

- Click on the details of the correct ESID/Works ID



New Meter

Work approval details

Work approval number *: 40WA417790

Water access license (WAL) number:

Unique extraction site ID (ESID) * Works ID No. of works

Cannot find your ESID?

| ESID | Works ID | WAS Status | Work description | No. of works |
|--------|------------|------------|-----------------------|--------------|
| 214999 | 1000249155 | Active | 510MM AXIAL FLOW PUMP | 1 |
| 214999 | 1000249156 | Active | 510MM AXIAL FLOW PUMP | 1 |
| 214999 | 1000249157 | Active | 510MM AXIAL FLOW PUMP | 1 |
| 214999 | 1000249158 | Active | 510MM AXIAL FLOW PUMP | 1 |

Authority holder surname *: RYAN

Suburb *: Darlington Point

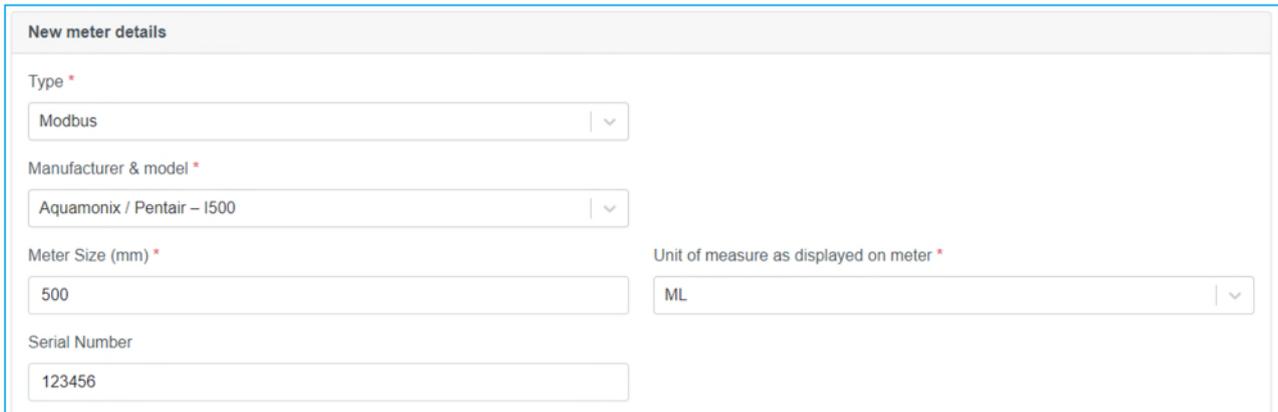
Postcode *: 2706

State *: NSW

Phone number * Customer's current email address *

7. Select "Modbus" from the Type drop down menu in the New or Replacement Meter Details section

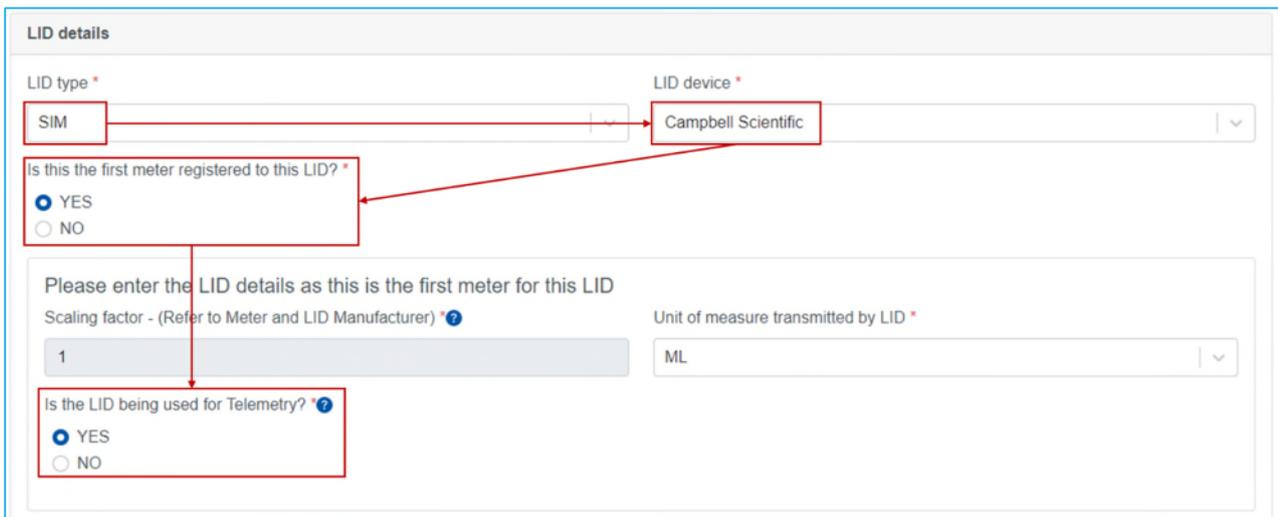
Note: only Modbus meters can be used for the multiple meter to one LID solution (no Pulse).



The screenshot shows the 'New meter details' form with the following fields:

- Type: Modbus
- Manufacturer & model: Aquamonix / Pentair - I500
- Meter Size (mm): 500
- Unit of measure as displayed on meter: ML
- Serial Number: 123456

8. Enter all other meter details and then scroll down to the LID Details section
9. Under LID Type select "SIM" and LID Device select "Campbell Scientific"
10. Select "Yes" for the question "Is this the first meter registered to this LID?"
11. Confirm that the LID is being used with telemetry

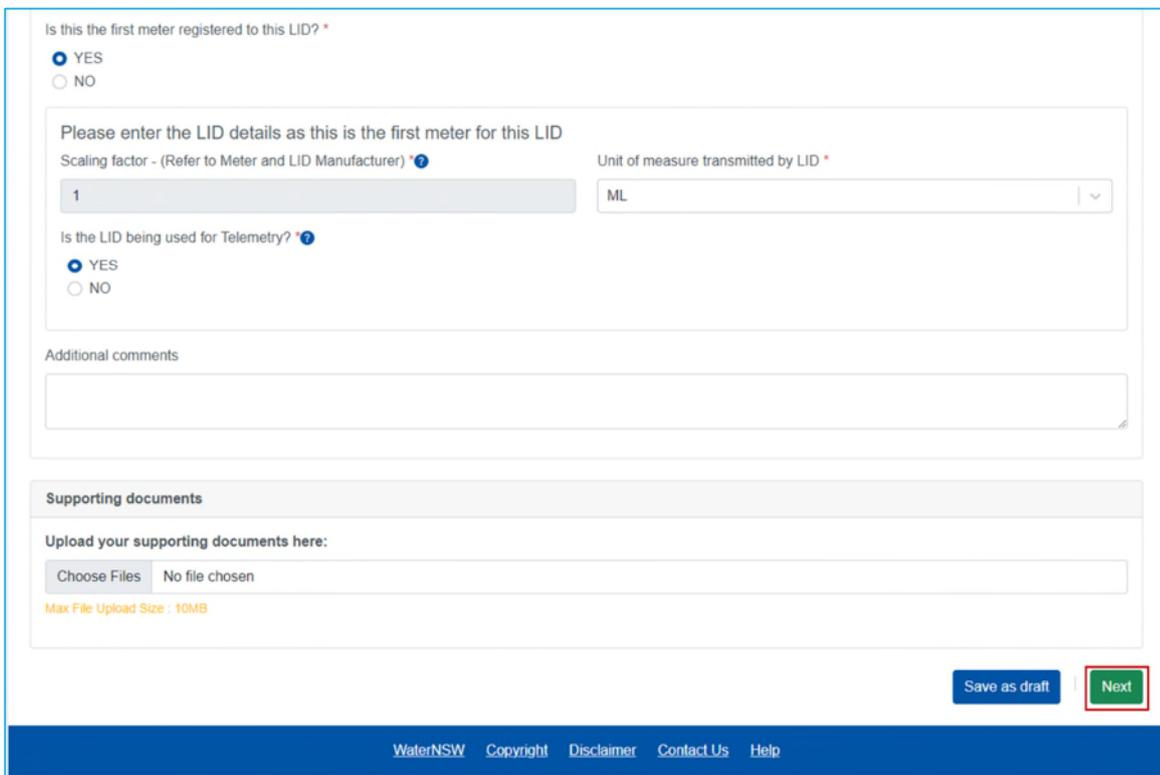


The screenshot shows the 'LID details' form with the following fields and annotations:

- LID type: SIM (boxed)
- LID device: Campbell Scientific (boxed)
- Is this the first meter registered to this LID?: YES (radio button selected, boxed)
- Please enter the LID details as this is the first meter for this LID:
 - Scaling factor - (Refer to Meter and LID Manufacturer): 1 (boxed)
 - Unit of measure transmitted by LID: ML
 - Is the LID being used for Telemetry?: YES (radio button selected, boxed)

Red arrows point from the 'SIM' box to the 'Campbell Scientific' box, from the 'Campbell Scientific' box to the 'Is this the first meter registered to this LID?' box, and from the 'Is this the first meter registered to this LID?' box to the 'Is the LID being used for Telemetry?' box.

12. Scroll to the bottom of the page and click "Next"



Is this the first meter registered to this LID? *

YES
 NO

Please enter the LID details as this is the first meter for this LID

Scaling factor - (Refer to Meter and LID Manufacturer) *

Unit of measure transmitted by LID *

Is the LID being used for Telemetry? *

YES
 NO

Additional comments

Supporting documents

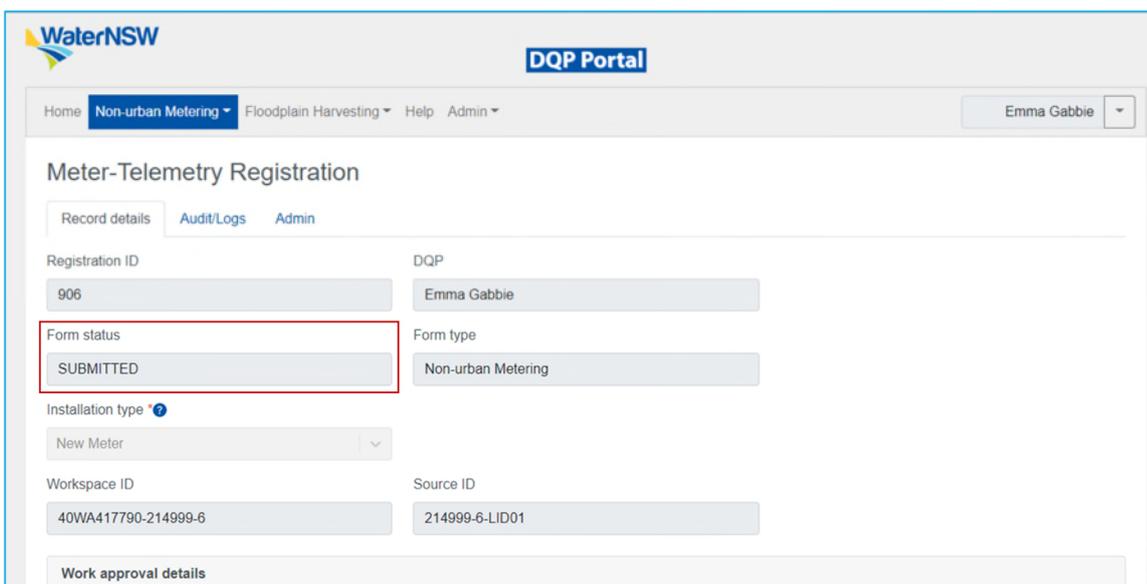
Upload your supporting documents here:

Max File Upload Size : 10MB

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13. A review screen of the registration details will display. Scroll to the bottom and click "Confirm & Submit"

The form should now show as "Submitted"



WaterNSW DQP Portal

Home **Non-urban Metering** Floodplain Harvesting Help Admin Emma Gabbie

Meter-Telemetry Registration

Record details Audit/Logs Admin

Registration ID: 906 DQP: Emma Gabbie

Form status: SUBMITTED Form type: Non-urban Metering

Installation type: New Meter

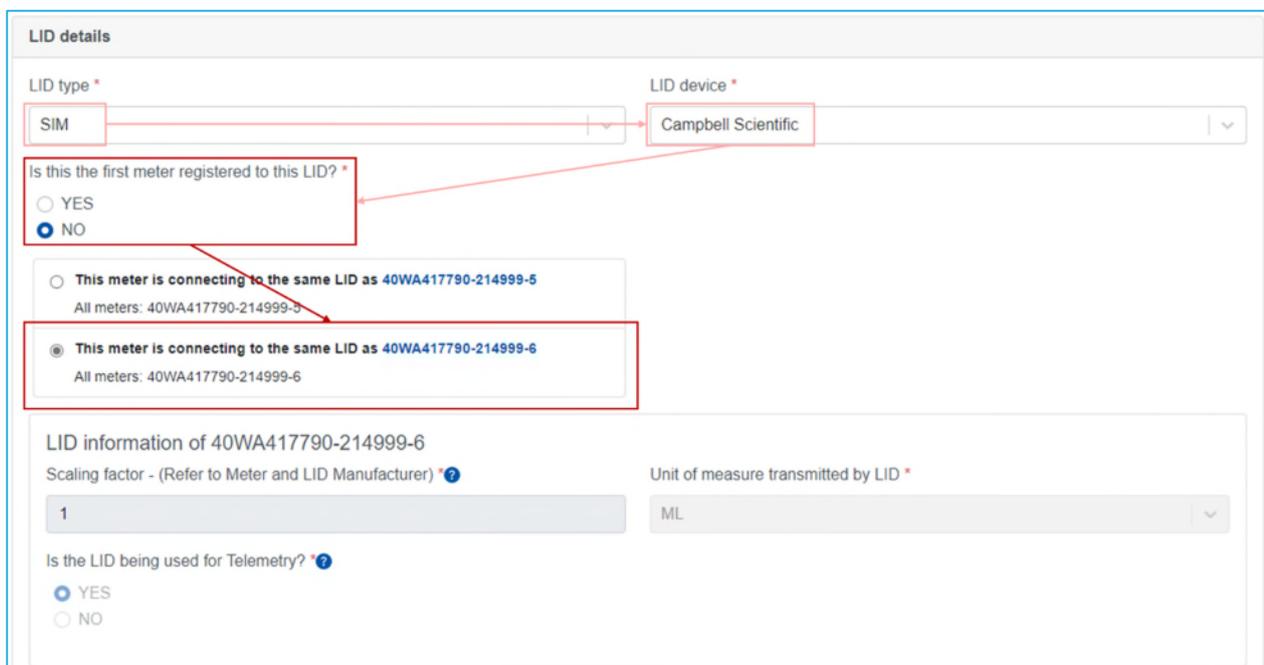
Workspace ID: 40WA417790-214999-6 Source ID: 214999-6-LID01

Work approval details

2.2 Create Registration for ADDITIONAL meter/s to connect to LID

Follow steps 1-9 in section 2.1 selecting the next ESID/works to be registered at step 6.

1. Select "No" for the question "Is this the first meter registered to this LID?"
2. Select details of the LID to be used for the additional meters



LID details

LID type * LID device *

Is this the first meter registered to this LID? *

YES

NO

This meter is connecting to the same LID as 40WA417790-214999-5
All meters: 40WA417790-214999-5

This meter is connecting to the same LID as 40WA417790-214999-6
All meters: 40WA417790-214999-6

LID information of 40WA417790-214999-6

Scaling factor - (Refer to Meter and LID Manufacturer) *

Unit of measure transmitted by LID *

Is the LID being used for Telemetry? *

YES

NO

Follow steps 12-13 in section 2.1.

Repeat these steps until a registration has been created for each site to have a meter install.

2.3 LID Procurement

Campbell Scientific have a [dedicated order \(procurement\) form for the FlowPRO-Multi](#) that needs to be completed so that the LID can be setup and configured to suit the multiple meter application – it is not auto generated as part of the registration process. It is critical that DQP's make sure this detail is correct and in line exactly with the details submitted in the Telemetry Registration form, so please check before sending to the LID Vendor.