

# Design & Construction Hub

**External Customer User Guide** 

September 2024

Inflo ID: 69250181







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## Introduction

The Design & Construction Hub DCH platform is an automated centralised cloud solution built on Pega Cloud. This new platform has been designed to manage the submission and business process workflows of the Detailed Design Review Submissions through to Final Completion stages for our civil engineers and landscape architect customers and Melbourne Water employees. It is accessible for Melbourne Water users via an internal secured URL (back office). External Civil and Landscape Third parties can apply for CAD new projects through the Melbourne Water website by registering to the DCH system <a href="https://example.com/here">here</a>. All parties (including internal and external Applicants) must be registered in the system to be able to lodge a new application or assess an application.

CAD projects consist of two components: 'Civil' and 'Landscape.' Different Applicants (civil engineers and landscape architects) manage their respective applications. Once both Civil and Landscape components reach the final milestone, the CAD project is finalised and closed.

CAD has three different Application Type:

- 1. **Civil**; Civil Applicants lodge a civil work-related application.
- 2. **Landscape**; Landscape Applicants lodge a civil work-related application.
- 3. **Combined**; One Applicant lodges an application and serves as the main correspondent during the Detailed Design Submission process. After finalising the Detailed Design Submission, the CAD project splits into two: Civil and Landscape. Each Applicant becomes the primary contact for their respective application type.

#### **CAD** has eight main Application forms:

- 1. Detailed Design Submission
- 2. Financial
- 3. SEMP
- 4. Pre-commencement
- 5. Commencement of establishment (Landscape only)
- 6. Practical Completion
- 7. Midterm Planting (Landscape only)
- 8. Final Completion

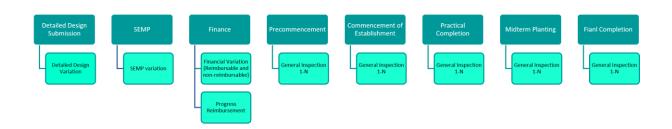


- \*\* Financial and SEMP will start parallel to one and other.
- \*\* SEMP must be approved and finalised prior to Financial approval.
- \*\* For each EMPS number, there will be a Commencement of establishment, Practical Completion, Midterm planting, Final Completion

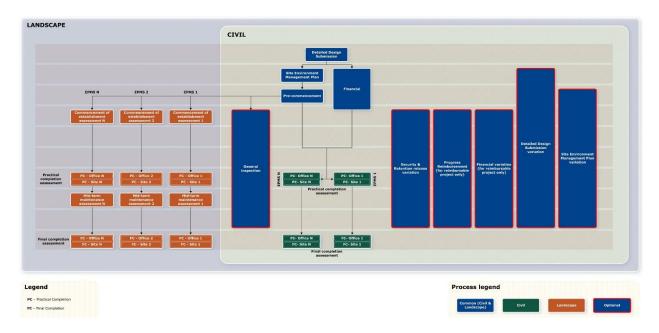
CAD's secondary application forms:

- 1. Detailed Design variation
- 2. SEMP variation
- 3. Financial variation
- 4. Security and Retention Lodgement variation
- 5. Progress reimbursement
- 6. General inspection

The application forms above are available for submission at the appropriate stage and have been approved.



# System diagram and conditions



Application type	Condition
Finance	<ul> <li>DDS is endorsed and Resolved-completed.</li> <li>Financial process (Tender or security and Retention) cannot be approved if SEMP has not been approved yet.</li> </ul>
SEMP	DDS is endorsed and Resolved -completed.
Pre-Commencement	<ul> <li>SEMP/FIN are endorsed and resolved-completed.</li> <li>DDS variation and SEMP variation MUST be finalised (Resolved-completed)</li> </ul>
Commencement of establishment (landscape cases only)	<ul> <li>System will create COE applications based on EPMS numbers (e.g. if we have 3 EPMS numbers then system will display 3 COE under action menu)</li> <li>COE is available after Pre-commencement is finalised.</li> <li>All COE are mandatory to be applied and approved to continue with CADs flow</li> </ul>
Practical Completion	<ul> <li>There is a Practical Completion form per EPMS number for both Civil and Landscape projects.</li> <li>For Civil cases, PC will start when Financial and SEMP is finalised.</li> <li>For Landscape projects, 12 weeks gap between Commencement of establishment and PC in Landscape case</li> </ul>

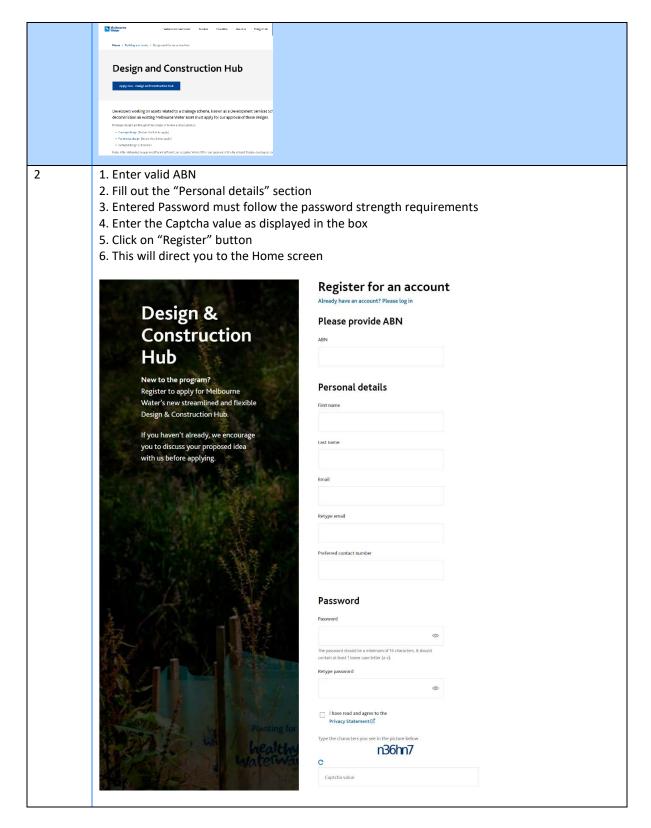
	For Landscape cases, PC will start when Financial and Commencement of Establishment is finalised
Midterm planting	
(Landscape cases only)	There is a Midterm Planting form for each EPMS numbers.  Patronage PC and Midterma Planting the are in a 4 years are and a second part of the area.
(Lanuscape cases only)	Between PC and Midterm Planting there is a 1-year gap and     Additional Planting and FC is a 1-year gap.
	between Midterm planting and FC is a 1-year gap
	Midterm Planting is only for Landscape projects and is available
	when Practical Completion finalised.
Final Completion	There is a Final Completion form per EPMS number.
	<ul> <li>There is a 1-year gap between PC to FC for civil cases.</li> </ul>
	<ul> <li>There is a 1-year gap between Midterm Planting and FC in</li> </ul>
	Landscape cases
General inspection	General inspection is available from Pre-Commencement approval
	up to Final Completion for Civil projects.
	General inspection is available from Pre-Commencement approval
	up to Final Completion for Landscape projects.
	General inspection is an optional process
Progress Reimbursement	Progress Reimbursement is available up to Practical Completion
	process for Civil project.
	Progress Reimbursement is available up to Final Completion
	process for landscape project.
	Progress Reimbursable option is only available for reimbursable
	project (If applicant has selected reimbursable in DDS form)
DDS variation	Will be available after DDS is endorsed.
	<ul> <li>DDS variation will cause all applications start from the beginning</li> </ul>
	(e.g. if in Midterm-planting and DDS variation is endorsed, all
	previous applications will be withdrawn and applicant must start
	from SEMP)
SEMP variation	Will be available when SEMP is resolve completed.
	SEMP variation will cause all applications, except financial start
	from the beginning (e.g. if in Midterm-planting and SEMP variation
	is endorsed, all previous applications except Financial will be
	withdrawn and applicant must start from Pre-Commencement)
Finance variation	Will be available when Finance is resolve completed
	I

# **Applicant**

The Applicant can access the online application from the Construction Assessment and Delivery homepage on the Melbourne Water website using a browser on a desktop or a mobile tablet.

# Registration and Log in

STEP	ACTION
1	Log into the System as an Applicant to register.  1. Access the site and click on "Apply now-Design and Construction Hub".

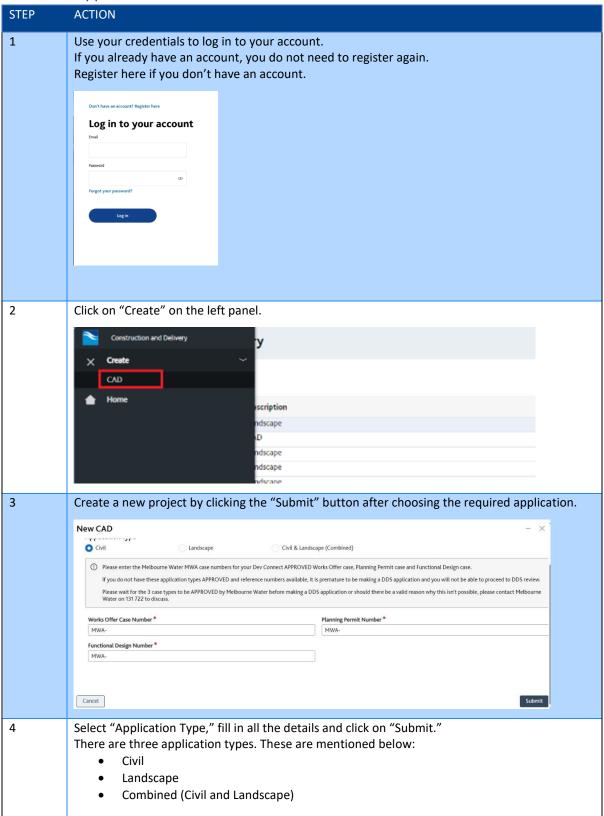


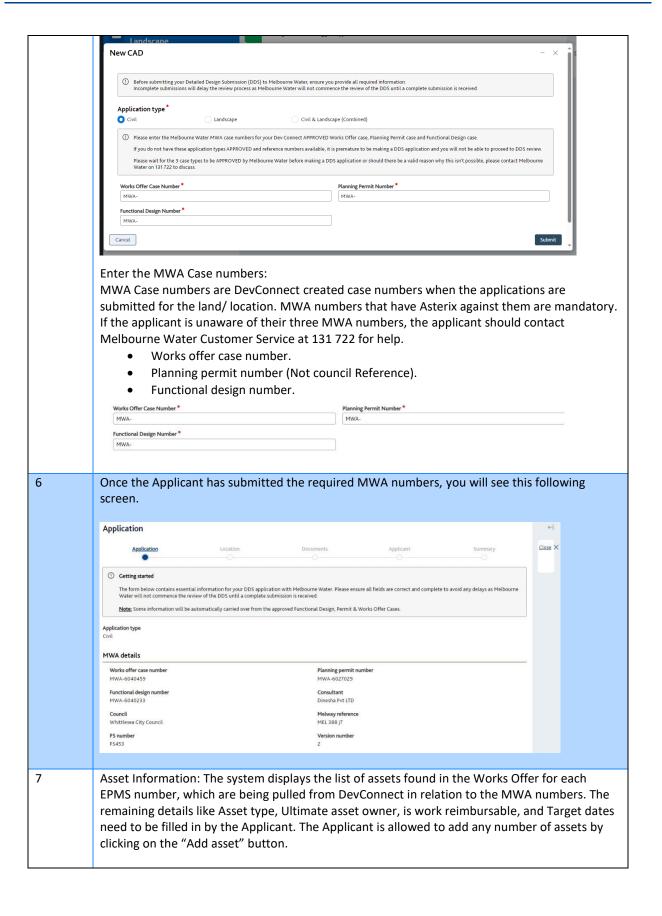
Applicants must apply for a new project Applicant will receive a validation code in email to enter to be able to log in to the system.

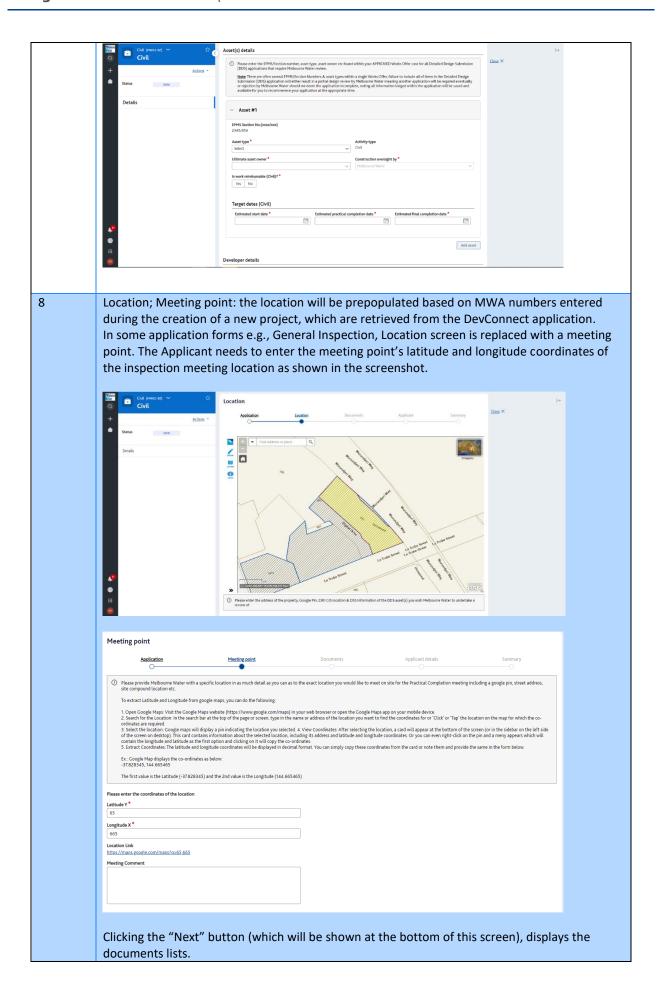
#### Resetting your password

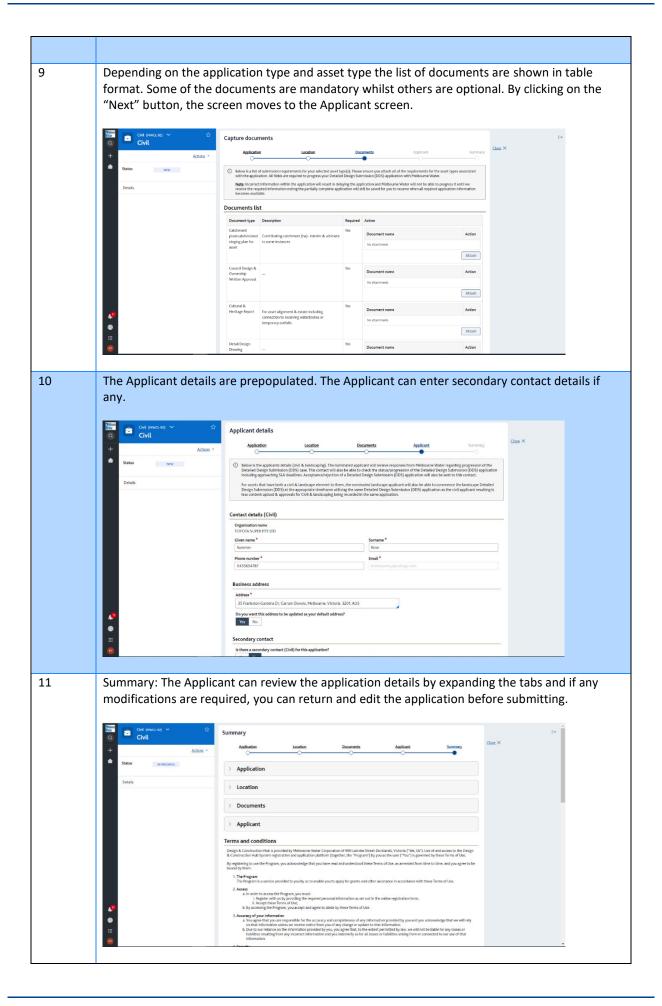
Applicant can use Forgot your password link to reset his password. On the next screen, provide the registered email ID. Applicant will be emailed a multifactor authentication MFA (Captcha) to validate their email.

#### Submit a new application









#### **Actions**

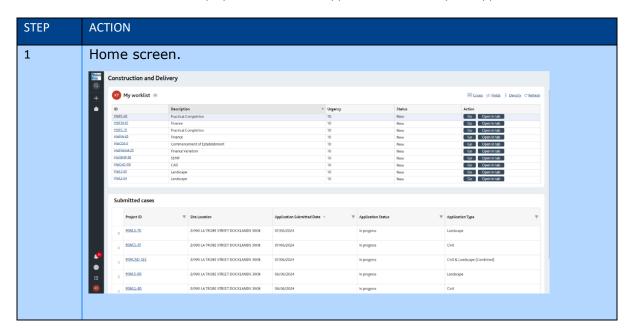
In the action menu, the Applicant has two items; one is the current work/ assignment you need to work on, and the other is 'Refresh.'

- \*\* SEMP must be finalised prior to resolving Financial.
- \*\* All variations must be 'Resolved' before entering the Final completion stage.
- \*\* There will be one project for each EPMS number in the Asset Fulfilment stage, which follows the Pre-commencement stage.

#### Home screen

Once the Applicant logs in to the application, the home screen is displayed. In the home screen, you'll find two tables: The "My worklist" table, which displays the list assignments/ work that the Applicant needs to complete.

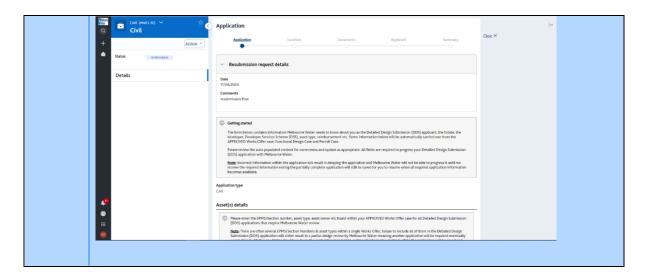
The "Submitted cases" table, which displays the list of cases/applications created by the Applicant.



#### Resubmission (Completeness check)

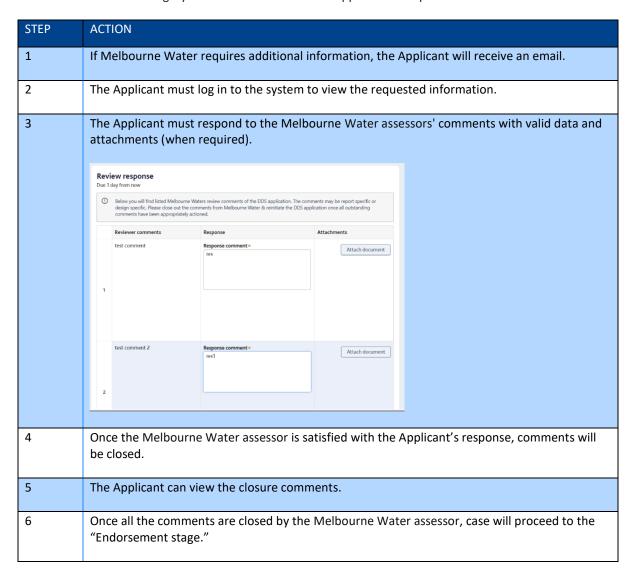
Submitted applications undergo a completeness check by the Melbourne Water assessor If any information is missing or incorrect, the Melbourne Water assessor requests additional information. During this open stage, the Applicant can modify their submission based on the Melbourne Water assessor feedback. Once the application passes the completeness check, it proceeds to the review table or the request for information stage.

STEP	ACTION
1	The application is in an open stage where the Applicant can follow the Melbourne Water assessor instructions and resubmit the application.



#### Melbourne Water assessment stage

During the Melbourne Water assessment stage, the Melbourne Water assessor can add questions or comments related to each document category then these are sent to the Applicant to respond.



#### **Endorsement**

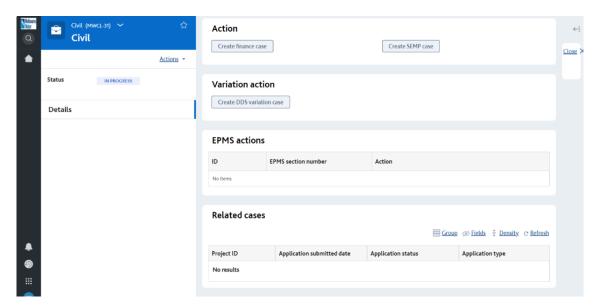
The Applicant will receive an endorsement letter and PDF from Melbourne Water.

#### **Request Variation**

Variations occur when changes are needed after the Works Offer has been signed by both the Applicant and Melbourne Water.

Types of variations (determined by the system, based on the changes made during the variations process) include:

- 1. Detailed Design Submission (DDS) Variation
- 2. Site Environmental Management Plan (SEMP) variation
- 3. Financial variations (Tender variation, reimbursement calculation and Security & Retention lodgement variation)



 ${\it Image: The DCH Home screen showing the Applicants \ activities.}$ 

#### Request or initiate variation

Applicants &/or Melbourne Water can request variations. Once an Applicant submits a variation request, the Melbourne Water assessor being Project Engineer or Construction Engineer (depending on the type of variation) assess it.

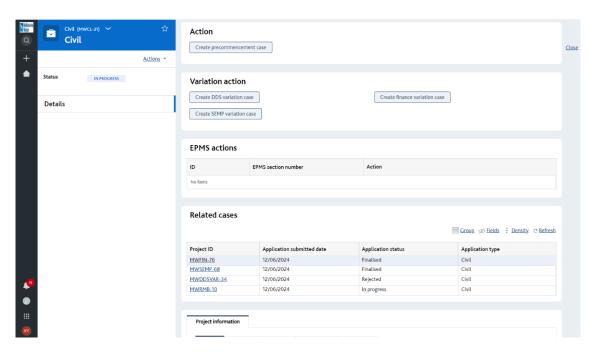
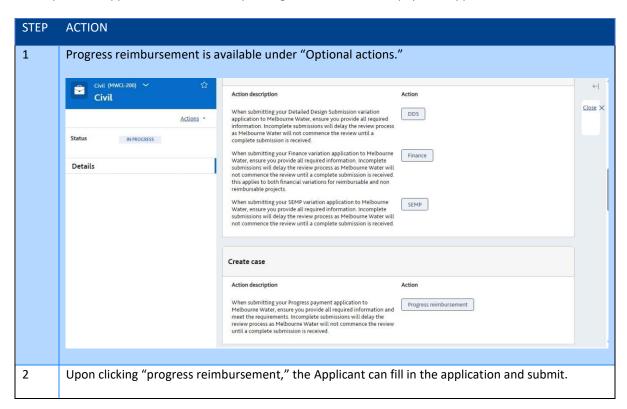
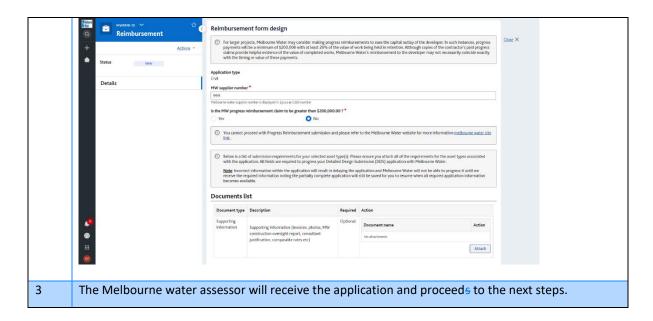


Image: "Request Variation" under Variation Actions.

#### **Progress Reimbursement**

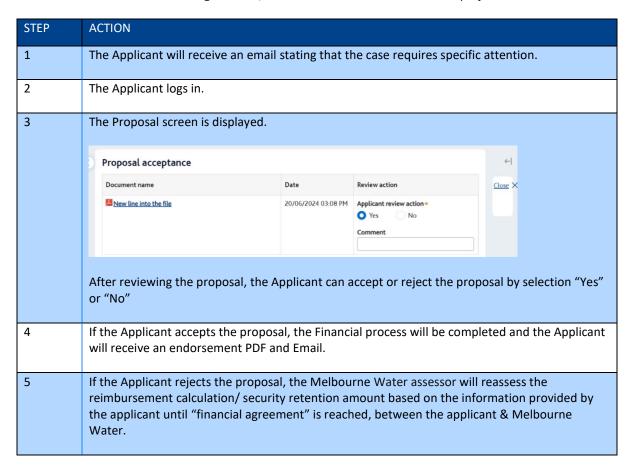
Progress reimbursement payments are available for the Applicant once "Financial approval" is granted and up to "Final Completion." Applicants can raise multiple Progress reimbursement payment applications.





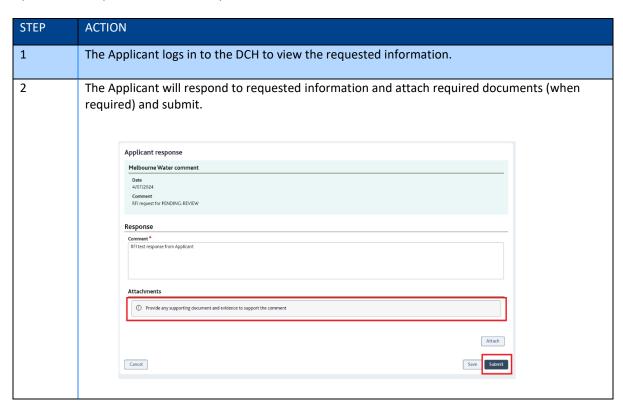
#### Accept or Reject proposal

Under Financial application, the Applicant has the option to 'Accept' or 'Reject' the Melbourne Water reimbursement calculation for reimbursable and bank guarantee/bond amount for non-reimbursable projects.



#### Respond to RFI

At any stage in the application Melbourne Water may request clarification on application information s and raise a "Request for Information (RFI) to the Applicant. Applicant will receive an email regarding required information and must present the required information to proceed with the case.

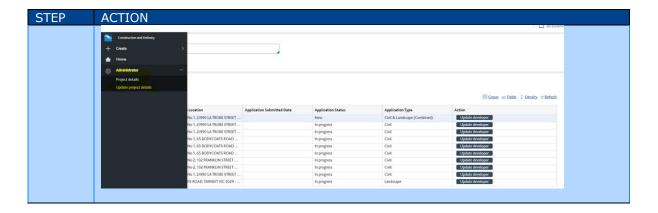


#### **Applicant Super Admin**

Consultancy bureaus can access an Admin portal to manage projects and modify information. Consultancy can nominate a maximum of 2 Admins in your consultancy who are registered to the DCH to have access to the portal. The Applicant can request admin access by emailing the Melbourne water support team, enabling them to perform the following tasks:

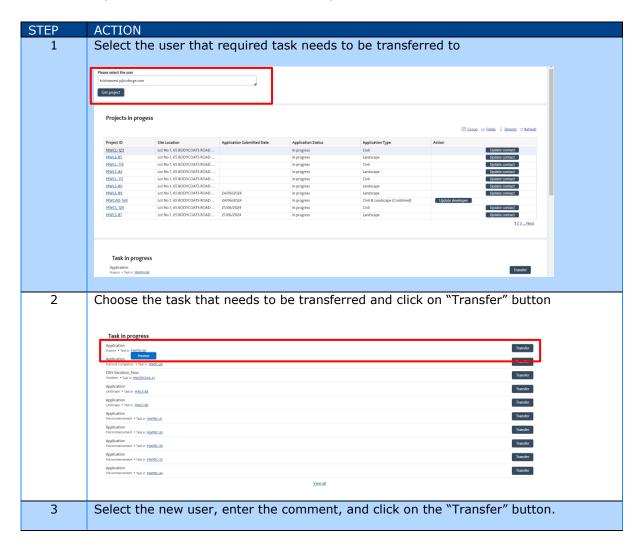
- 1. Assigning a task (temporary delegation)
- 2. Transferring a case (permanent delegation)
- 3. Changing developer details

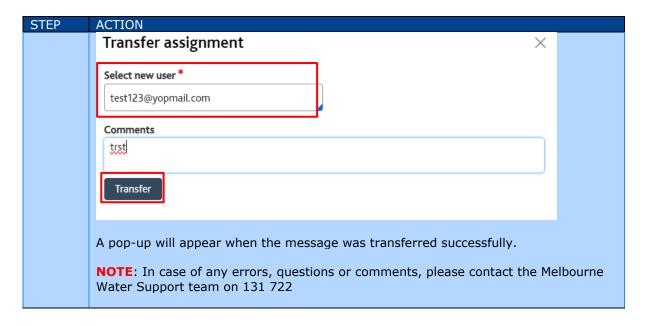
STEP	ACTION
1	Once the Support team provides the admin access This option will be visible to the Applicant.



## Assigning a task (temporary delegation)

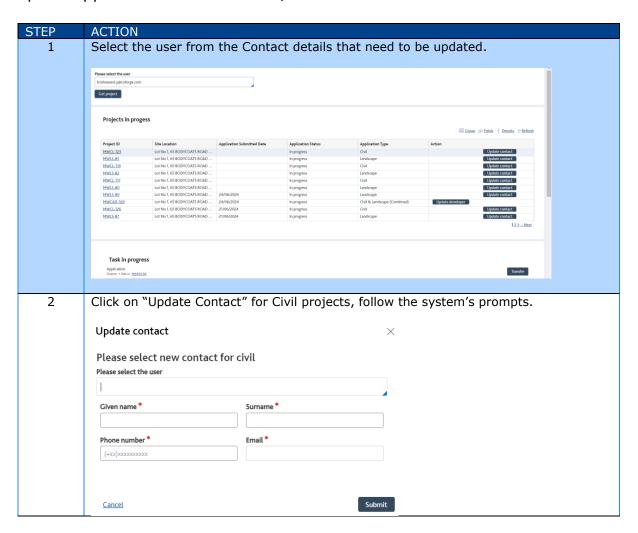
Temporary delegation is when a Transfer tasks to one user for execution, but the subsequent task will revert to the previous user.

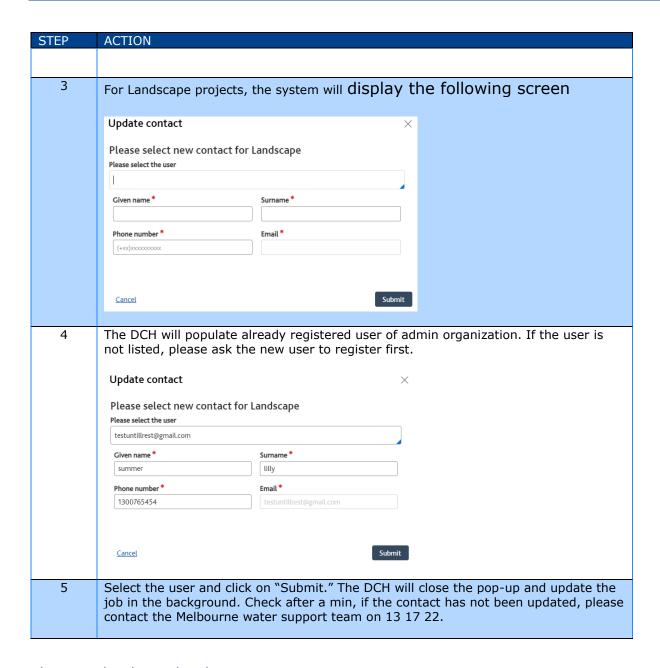




## Transferring a case (permanent delegation)

When updating the civil or landscape contact for a project, all tasks in the project hierarchy are also transferred to the new contact. The 'Update Contact' option appears next to the CIVIL/LS IDs where the user is listed as a contact.





## Changing developer details

Update developer option will be shown in front of DCH id only.

STEP	ACTION
1	Select the user from Developer team from the drop-down menu
	And update the developer details

