# **Annual Compliance Report**

Time period: 18 February 2024 to 17 February 2025

EPBC 2020/8816 Upper South Creek Advanced Water Recycling Centre and Pipelines Project Kemps Creek, NSW May 2025



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# Acknowledgement of Country

Sydney Water respectfully acknowledges the Traditional Custodians of the land and waters on which we work, live and learn. We pay respect to Elders past and present.



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### **Document Control**

Revision Status	Date	Prepared by	Reviewed By
Rev draft	13/05/2025	Cheryl Cahill – for review	Sheila Anderson
Rev A	15/05/2025	Cheryl Cahill – for issue	Sheila Anderson



### **Declaration of Accuracy**

In making this declaration, I am aware that sections 490 and 491 of the *Environment Protection and Biodiversity Conservation Act* 1999 (Cth) (EPBC Act) make it an offence in certain circumstances to knowingly provide false or misleading information or documents. The offence is punishable on conviction by imprisonment or a fine, or both. I declare that all the information and documentation supporting this compliance report is true and correct in every particular. I am authorised to bind the approval holder to this declaration and that I have no knowledge of that authorisation being revoked at the time of making this declaration.

Signed

(ahiM

Full name (please print): Cheryl Cahill
Position (please print): Major Projects Environment Lead - USC
Organisation (please print including ABN/ACN if applicable): Sydney Water, ABN: 49 776 225 038
Date: 15/05/2025

2024 - 2025 Annual Compliance Report EPBC 2020/8816 Upper South Creek Advanced Water Recycling Centre and Pipelines Project



### Introduction

The Upper South Creek (USC) Advanced Water Recycling Centre and Pipelines project (the project) is being constructed 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 the following components:

- 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.

This compliance report has been prepared to detail the Project's compliance and implementation status against the EPBC (2020/ 8816) conditions during the reporting period. In accordance with the Annual Compliance Report Guidelines (Commonwealth of Australia, 2023), the following information relates to the project for this compliance reporting period:

- EPBC number: 2020/ 8816
- Project name: Upper South Creek Advanced Water Recycling Centre, Kemps Creek, NSW
- Approval holder: Sydney Water Corporation ABN: 49 776 225 038
- The approved action: To construct and operate a wastewater treatment plant located between South Creek and Kemps Creek, and associated infrastructure, including three new pipelines between Warragamba and Lansdowne, NSW
- Location of the project: Kemps Creek and pipelines NSW
- Person accepting responsibility for the report: Cheryl Cahill, Sydney Water Major Projects Environmental Lead (refer to signed declaration above)
- Dates for the reporting period of the report 18 February 2024 to 17 February 2025
- Date of preparation of the report: 15 May 2025

#### **Description of Activities**

The project commenced construction on 28 August 2023. Project activities undertaken during the reporting period included:

- Continued earthworks and forming up for structures within the stage 1 operational footprint of the AWRC
- Installation and maintenance of environmental controls at AWRC and active pipeline work sites
- Inlet works forming and pouring concrete for walls and the various chambers. Fine screen and grit chamber
  penstocks and stopboards installation complete. Coarse screen chamber hydrotest passed, with Grit chamber
  hydrotest underway. Cable containment installation continues. Fine screen Bin slabs complete.
- Membrane Bioreactor (MBR) forming and pouring concrete for the various treatment trains. All anaerobic tanks hydrotest passed. Membrane train epoxy continues. Pipe work installation continues at filtrate slab.



- Bioreactor forming and pouring concrete for the oxidation ditch (OD) walls. Final Outlet structure wall formwork and concrete works commenced. Mechanical installation in OD#1& 2 continuing with pipe droppers and mixers installed.
- Reverse Osmosis (RO) Building Foundations and Structural steel housing complete. Fitting out external pipe rack continues. RO LP pumps installed. Cable containment install nearing completion within RO building.
- Brine tanks forming and pouring concrete for tanks. North tank lift #2 and South tank lift #3 poured.
- Digesters forming and pouring concrete for tanks. Internal pipework fitout complete and hydrotesting of tanks. Handover to Mechanical for fitout
- Forming slabs and building blockwork or steel walls for main, blower and AWTP switchrooms Kiosks installed and computer floor setout commenced
- Blower Building Complete sheeting and painting and commenced M&E fit out
- Treated Water Pump station Complete sheeting and painting and commenced M&E fit out. TW pump delivered and cable containment complete within Pump Gallery
- Odour control facility Structural steel complete. Majority of major equipment installed.
- Outloading building formwork and concrete pours, commenced mezzanine and silo support steel installed. Installation of outloading conveyor commenced.
- Sludge thickening Structural steel and mechanical installation complete.
- Administration Building formwork installed in readiness for slab
- HV cable pulled from Kemps Creek Substation to Endeavor Energy switching stations (AWRC site). Ready for energisation.
- Landscaping Solar farm amelioration complete and South Creek riparian Vegetation Management Zone (VMP) works underway.
- Vegetation clearing along the pipeline corridor within the impact area
- Treated and Brine Water Pipelines continued pipe trenching and installation during the reporting period. As of the end of the reporting period, all pipe is now installed and fully hydrostatic tested. The valve stations and NGRS works including electrical works are complete, with defects close out is underway.
- Trenchless Pipelaying All HDD and micro tunnel works on site now complete and final restoration works are well progressed.
- Restoration Final restoration works are progressed across both pipelines with planting rehabilitation works all but complete, with only Lansdowne Reserve (NGRS) and Gazcorp (RBM12) areas outstanding.
- Permanent restorations of TfNSW managed roads (Park Road and Cabramatta Road) are now complete except for final line marking.

Figures 1 and 2 are aerial photos taken of the AWRC site during the reporting period. Figures 3 and 4 are aerial photos taken during the reporting period along the pipeline alignment.



Figure 1: Aerial photo of the AWRC construction works



(Aerial photo taken 29<sup>th</sup> January 2025)

#### Figure 2: Aerial photo of the AWRC site



(Aerial photo taken 29th January 2025)





Figure 3: Aerial photo of the NGRS site within Lansdowne Reserve

(Aerial photo taken 29th January 2025)



Figure 4: Aerial photo of the Nepean River discharge location and treated water valve station

(Aerial photo taken 27 October 2024)



# **Compliance Status during reporting period**

In accordance with the Annual Compliance Report Guidelines, this annual compliance report must:

- Demonstrate that all conditions of the EPBC approval have been considered and addressed.
- List the conditions of the EPBC approval, including any variations to those conditions, noting if compliance or non-compliance with each condition has been achieved.
- If a management plan is required under an approval condition:
  - the specifics in a management plan that support an approval condition must be detailed in the compliance report; and
  - material must be provided demonstrating that the requirements of that plan have been implemented.

Table 1 details the compliance status and supporting statements in relation to the EPBC 2020/ 8816 conditions associated with the Project Approval and has been prepared in accordance with the requirements included in the Annual Compliance Report Guidelines.



#### Table 1 - EPBC Approval Conditions Compliance Table

Condition No	Condition Requirements	Compliance Status	Evidence/Comments
1	To minimise impacts to protected matters, the approval holder must not clear more than: a) 1.44 ha of Cumberland Plain Shale Woodlands and Shale-Gravel Transition Forest b) 1.64 ha of Spiked Rice-flower habitat.	Compliant	<ul> <li>Clearing of various areas of protected matters, with reference to the maps included as Attachment A to the approval (as varied on 2/4/2024), has occurred within the reporting period. Refer to Appendix A, which includes maps depicting the areas cleared, along with calculations of clearing volumes. The clearing undertaken has not exceeded the clearing limits and is represented on the shape files provided electronically to the Commonwealth Department of Climate Change, Energy, the Environment and Water (DCCEEW), herein referred to as the Department, in accordance with condition 31(b).</li> <li>It is noted, with reference to the EPBC 2020/ 8826 maps included as Attachment A to the Approval, that no clearing was required for the following areas, therefore there was no impact to protected matters in these mapped locations:</li> <li>Figure 3 (Compound C6b) – as the compound was not used by the project</li> <li>Figure 5 (ED /Andreasen's) – methodology change from trenching to underbore in this location</li> <li>Figure 7 (Shooting Centre) – from west to east, each protected matter grouping (PMG) is labelled 1 to 4.</li> <li>PMG1 – methodology change from trenching to underbore in this location.</li> <li>PMG 2, 3 and 4 – groupings are located outside of the project boundary.</li> <li>Figure 9 (WSP access track) – alternative access track to the Western Sydney Parklands area was not used by the project</li> </ul>
			In addition, design refinements in Lansdowne Reserve (Figure 10 of the EPBC 2020/ 8816 approval) further reduced project clearing impacts, as documented in correspondence included in Appendix E.



Condition No	Condition Requirements	Compliance Status	Evidence/Comments
			The documented clearing volumes represent the bulk of clearing required on the project, however, some additional minor vegetation clearing will be required and will be reporting in subsequent compliance reports.
			Pre-clearing inspections and reports were undertaken and developed prior to any clearing of protected matters to ensure all clearing was within approved limits. Once clearing of the listed protected matters occurs, post clearing reports are developed by the project ecologist. Extracts of these are included in Appendix B.
2	The approval holder must not clear outside the impact assessment area. The approval holder must not impact on protected matters by clearing outside the	Compliant	As noted in condition 1 and Appendix A, clearing of protected matters has been undertaken within the reporting period. However, no vegetation clearing has been undertaken outside the impact assessment area, as defined within the approval.
impact area.		A request to vary and update the maps included in Attachment A of the approval was approved by the Department on 2 April 2024. This was due to the pipeline alignment being refined in several locations during detailed design which resulted in changes to the impact area, however, this change did not result in exceedances to the clearing limits included in condition 1. Efforts to further reduce impacts to protected matters were also implemented throughout the project works, as documented above.	
3 To mitigate impacts on protected matters the ap holder must implement conditions C4, C5, C9, C12, E23, E119, E120, E132, E133, E134, C-B C-B7 of the State Infrastructure Approval, in so they relate to monitoring, mitigating, and avoidi	To mitigate impacts on protected matters the approval holder must implement conditions C4, C5, C9, C11, C12, E23, E119, E120, E132, E133, E134, C-B1 and C-B7 of the State Infrastructure Approval, in so far as they relate to monitoring, mitigating, and avoiding	I Compliant	There has been no exceedance to the clearing limits noted in condition 1 and works have been actively managed to further reduce impacts to protected matters during the reporting period. Refer to Appendix D which includes the specifics of the referenced State Infrastructure Approval conditions (SSI 8609189).
	impacts to protected matters.		<b>C4</b> - The CEMP and sub-plans (including those referenced under condition 6 to be approved by the Department) have been implemented since the commencement of construction on Monday 28 August 2023. The CEMP and relevant sub plans were made available to the listed agencies during the consultation process undertaken prior to the approval of the plans. As noted in relevant conditions, the CEMP and listed subplans were approved by the Department on 23 August 2023 and some plans were subject to minor



Condition No	Condition Requirements	Compliance Status	Evidence/Comments
			amendments within the reporting period, as detailed further in Conditions 12 and 13.
			<b>C5</b> - The CEMP sub plans were developed to comply with all the listed requirements noted in the condition.
			<b>C9</b> - The Biodiversity CEMP sub plan was prepared by an experienced ecologist and addressed the requirements listed in the condition. This was verified under the State Infrastructure Approval and by the Department when the sub plan was approved. The Biodiversity CEMP sub plan has been implemented on the project since construction commenced.
			<b>C11</b> – Construction commenced 28 August 2023, after the CEMP and relevant subplans were approved by both the State Department of Planning, Housing and Infrastructure (DPHI) (formerly known as the Department of Planning and Environment (DPE)) on 8 August 2023 under the State Infrastructure Approval and by the Department on 23 August 2023.
			<b>C12</b> - The CEMP and sub plans were approved prior to construction and have been implemented since construction commenced. Minor amendments to the CEMP and CEMP sub plans have been endorsed by the Independent Environment Representative (ER) (required under the State Infrastructure Approval), and where these included revisions to the plans detailed in Condition 6, they have also been provided to the Department (refer to Conditions 12 and 13).
			<b>E23</b> – During preclearing surveys, native vegetation or habitat features that were marked for clearing were identified and salvaged for future reuse both on the project (during restoration) or by other parties.
			<b>E119</b> – The operational WQMP has been drafted to meet the obligations noted and also address requirements likely under a future operational Environmental Protectional Licence (EPL). This report has been submitted to the EPA for consultation in accordance with the State Infrastructure Approval conditions E119 and E120.



Condition No	Condition Requirements	Compliance Status	Evidence/Comments
			<b>E120</b> – the operational WQMP noted above has been submitted to the EPA for consultation. The report will then be revised and provided to both the DPHI (12 months prior to operation) and the Department, in accordance with condition 8.
			<b>E134</b> - No work or investigations have been undertaken within the Blue Mountains National Park.
			Conditions E132, E133, C-B1, C-B7 were not triggered during the reporting period. These are generally triggered in post construction stages (pre-operation or operation).
4	To offset the impacts of the Action on protected matters, the approval holder must implement conditions E12, E13, E14, E15 and E16 of the State Infrastructure Approval.	Compliant	Offsets for biodiversity credits have been obtained and evidence of these were provided to the Department, in accordance with Condition 5. Refer to Appendix D which includes the specifics of the referenced State Infrastructure Approval conditions (SSI 8609189).
			<b>E12</b> – Clearing impacts were assessed within the EIS, however, the project has sought opportunities to reduce clearing, wherever possible. Clearing volumes against the State Infrastructure Approval and EPBC 2020-8816 approval conditional clearing limits are included in Appendix A. Pre-clearing inspections and reports assess clearing extents to consider opportunities to retain vegetation. Once clearing of the listed protected matters occurs, post clearing reports are developed by the project ecologist. Extracts of these are included in Appendix B.
			<b>E13</b> – Clearing of vegetation has been undertaken within the reporting period, including areas of protected matters. Clearing of vegetation was managed to ensure no exceedance to clearance limits for plant community types and species detailed in State Infrastructure Approval and condition 1. Pre-clearing inspections and reports assessed clearing extents to ensure only vegetation approved for removal was cleared and there was no exceedance to clearing limits. Project vegetation clearing volumes against the State Infrastructure Approval and EPBC 2020-8816 approval conditional clearing limits are included in Appendix A.
			<b>E14</b> – Prior to impacts on biodiversity values, biodiversity credits were obtained. Evidence of the purchase and retirement of credits was provided to the



Condition No	Condition Requirements	Compliance Status	Evidence/Comments
			Department, in accordance with Condition 5. The Biodiversity Credits for the project comprised:
			<ul> <li>Payment and confirmation of purchase and retirement of credits to the Biodiversity Conservation Fund (BCF), as evidenced by the provided statement dated 2/06/23, with reference no. BCF557; and</li> </ul>
			• Transfer and retirement of previously held biodiversity offsets, as evidenced by the provided correspondence from the DPE Biodiversity Offset Scheme Credits team issued 27/06/23, with retirement case ID: 00041471/CRE/RET. This was also evidenced on the extract of the transactions register sourced from the BOS Public Register.
			<b>E15</b> – not relevant, ancillary and variation rules not pursued for the project.
			<b>E16</b> – evidence of the retirement of biodiversity credits was provided to both DPHI under the State Infrastructure Approval and the Department in accordance with condition 5 on 4 July 2023.
5	The approval holder must notify the department in writing within 10 business days of the biodiversity	Compliant	Refer to Appendix D which includes the specifics of the referenced State Infrastructure Approval conditions (SSI 8609189).
	credits being retired in accordance with conditions E14, E15 and E16 of the State Infrastructure Approval		This information was supplied to the Department on the 4 July 2023 via email to the post approval email listed in the Approval. This included evidence of payment and confirmation of purchase and retirement of credits to the Biodiversity Conservation Fund (BCF), as evidenced by the statement attached to the email (dated 2/06/23, with reference no. BCF557); and transfer and retirement of previously held biodiversity offsets, as evidenced by the correspondence (attached to the email) from the DPE Biodiversity Offset Scheme Credits team issued 27/06/23, with retirement case ID: 00041471/ CRE/ RET. The notification included an extract of the transactions register sourced from the BOS Public Register and a link to the register. The email included a table documenting how the cumulative total of the 2 sources satisfied the biodiversity credit obligations listed under the State infrastructure Approval.



Condition No	Condition Requirements	Compliance Status	Evidence/Comments
			<b>E14</b> - Prior to impacts on biodiversity values, biodiversity credits were obtained. Evidence of the purchase and retirement of credits was provided to the Department, as noted above.
			E15 – not relevant, ancillary and variation rules not pursued for the project.
			<b>E16</b> – evidence of the retirement of biodiversity credits was also provided to DPHI under the State Infrastructure Approval on 4 July 2023.
6	The approval holder must ensure, prior to submitting them for approval by the Planning Secretary, that the Construction Environmental Management Plan (CEMP) and sub-plans required for Biodiversity (sub- plan C4 (d)) and Heritage (sub-plan C4 (g)) required under conditions C4, C5 and C9 of the State Infrastructure Approval: a) are consistent with statutory documents for protected matters, including for the listings and management of the Greater Blue Mountains Area World Heritage property and the National Heritage place, b) demonstrate how the approval holder will protect, minimise and mitigate impacts to protected matters, and c) state how the relevant terms of the State Infrastructure Approval for protected matters will be complied with.	Compliant	The CEMP, Biodiversity CEMP Sub Plan (BCSP) and the Heritage CEMP Sub Plan (HCSP) were prepared to address the requirements in the condition (and those in the referenced State Infrastructure Approval conditions) and were submitted to the Department on 10 May 2023 for review and comment. Additional documentation was supplied on request. Revised plans were submitted in July and August 2023 to address comments received from the Department. The CEMP and relevant sub plans were approved by the Department on 23 August 2023. Minor amendments to the CEMP and various sub plans have been made within the reporting period, and are detailed further in conditions 12 and 13.
7	The approval holder must not commence the Action unless the Minister has approved all of the CEMP, Biodiversity and Heritage sub-plans, required by condition C4 of the State Infrastructure Approval, in writing.	Compliant	Construction did not commence until after approval of the CEMP and relevant sub plans by the Department on 23 August 2023. Construction commenced on 28 August 2023, as notified to the Department in accordance with Condition 22.

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Condition No	Condition Requirements	Compliance Status	Evidence/Comments
8	The approval holder must not commence the Operation unless the Minister has approved the World Heritage Monitoring Program (WHMP) and Water Quality Monitoring Program (WQMP), required by conditions E132 and E119 of the State Infrastructure Approval, in writing.	Not applicable	Not triggered - This is a pre-operation requirement. The operational WQMP has been drafted, as the State Infrastructure Approval (E120) required it be submitted to the EPA for consultation 18 months prior to the commencement of operation. The report will then be provided to the Department for approval prior to operation.
9	The approval holder must implement the CEMP, Biodiversity and Heritage sub-plans, WHMP and WQMP approved by the Minister until, at least, the end date of this approval, unless otherwise agreed to by the Minister in writing	Compliant	The approved CEMP, Biodiversity CEMP Sub Plan and Heritage CEMP Sub Plan have been implemented during construction since the plans were approved by the Department on 23 August 2023. The WHMP and WQMP are yet to be implemented, as noted in condition 8, they relate to operational requirements. Appendix C provides further detail on the implementation of the plans required under this approval.
10	Each World Heritage monitoring report required by Condition E133 of the State Infrastructure Approval must be provided to the department for information within one month of submission of each annual report required by the State Infrastructure Approval.	Not applicable	Not triggered - This is a post-operation requirement
11	The approval holder may, at any time, apply to the Minister for a variation to an action management plan approved by the Minister or as subsequently revised in accordance with these conditions, by submitting an application in accordance with the requirements of section 143A of the EPBC Act. If the Minister approves a Revised Action Management Plan (RAMP) then, from the date specified, the approval holder must implement the RAMP in place of the previous action management plan.	Not Applicable	Not triggered during the reporting period. Only minor revisions to the Biodiversity CEMP sub plan were undertaken as further detailed in Conditions 12 and 13.
12	The approval holder may choose to revise an action management plan approved by the Minister under conditions 7-8, or as subsequently revised in	Compliant	During the reporting period, minor amendments to the Construction Environment Management Plan (CEMP), the Biodiversity CEMP Sub Plan (BCSP) and the Heritage CEMP Sub Plan (HCSP) were submitted to the Department. These

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Condition No	Condition Requirements	Compliance Status	Evidence/Comments	
	accordance with these conditions, without submitting it for approval under section 143A of the EPBC Act, if the taking of the Action in accordance with the RAMP		changes did not constitute new or increased impacts and were endorsed by the Independent ER, appointed in accordance with the State Infrastructure Approval, as minor amendments. These included:	
	would not be likely to have a new or increased impact.		<ul> <li>HCSP – Rev B, dated 18/09/24 – submitted on 8/10/24</li> <li>CEMP – Rev B, dated 05/08/24 – submitted on 24/10/24</li> <li>BCSP – Rev E, dated 22/10/24 – submitted on 04/11/24</li> </ul>	
			Copies of correspondence related to these submissions, excluding copies of the plans (due to file size, previously provided), are included in Appendix E.	
13	If the approval holder makes the choice under condition 12 to revise an action management plan	Compliant	During the reporting period, minor amendments to the CEMP, BCSP and the HCSP were submitted to the Department, including:	
	without submitting it for approval, the approval holder must:	vised 4 vised 4 vith 5 the 6 MP. 5	<ul> <li>HCSP – Rev B, dated 18/09/24 – submitted on 8/10/24</li> <li>CEMP – Rev B, dated 05/08/24 – submitted on 24/10/24</li> </ul>	
	a) Notify the department electronically that the approved action management plan has been revised		<ul> <li>BCSP – Rev E, dated 22/10/24 – submitted on 04/11/24</li> <li>Amended plans were submitted electronically, either direct to the email address</li> </ul>	
	and provide the department with: i) An electronic copy of the RAMP		<ul> <li>provided or via the SigBox platform and link sent by Department</li> <li>Each submission also included a letter addressing the requirement</li> <li>condition.</li> <li>Copies of correspondence related to these submissions, excluding</li> <li>plans due to file sizes), are included in Appendix E.</li> </ul>	provided or via the SigBox platform and link sent by Department representatives. Each submission also included a letter addressing the requirements of this
	ii) An electronic copy of the RAMP marked up with track changes to show the differences between the approved action management plan and the RAMP.			Copies of correspondence related to these submissions, explans due to file sizes), are included in Appendix E.
	iii) An explanation of the differences between the approved action management plan and the RAMP.			
	iv) The reasons the approval holder considers that taking the Action in accordance with the RAMP would not be likely to have a new or increased impact.			
	v) Written notice of the date on which the approval holder will implement the RAMP (RAMP implementation date), being at least 20 business days after the date of providing notice of the revision of the			

Condition No	Condition Requirements	Compliance Status	Evidence/Comments
	action management plan, or a date agreed to in writing with the department.		
	b) Subject to condition 15, implement the RAMP from the RAMP implementation date.		
	c) Document changes to approved action management plans in the compliance report, as per condition 29.		
14	The approval holder may revoke its choice to implement a RAMP under condition 12 at any time by giving written notice to the department. If the approval holder revokes the choice under condition 12, the approval holder must implement the action management plan in force immediately prior to the revision undertaken under condition 12	Not applicable	Not Triggered – No plans have been revoked during the reporting period.
15	If the Minister gives a notice to the approval holder that the Minister is satisfied that the taking of the Action in accordance with the RAMP would be likely to have a new or increased impact, then:	Not applicable	Not Triggered during the reporting period.
	a) Condition 12 does not apply, or ceases to apply, in relation to the RAMP.		
	b) The approval holder must implement the action management plan specified by the Minister in the notice.		
16	At the time of giving the notice under condition 15, the Minister may also notify that for a specified period of time, condition 12 does not apply for one or more specified action management plans.	Not applicable	Not Triggered during the reporting period.
17	The approval holder must submit all plans required by these conditions electronically to the department.	Compliant	Plans were submitted electronically, either direct to the email address provided or via the SigBox platform and link sent by Department representatives. This



Condition No	Condition Requirements	Compliance Status	Evidence/Comments
			included the initial copies of the CEMP and relevant sub plans specified in condition 6 submitted for review and comments, and revised copies of these addressing comments, requested supporting information and the minor revisions to the CEMP, BCSP and HCSP (provided in accordance with conditions 12 and 13) that were submitted since the initial plans were approved.
18	Unless otherwise agreed to in writing by the Minister, the approval holder must publish each plan on the website within 15 business days of the date:	Compliant	All current versions of the plans required under the conditions (excluding those not yet triggered or if draft) are maintained on the Sydney Water Talk project website: <u>https://www.sydneywatertalk.com.au/uppersouthcreek</u>
	a) of this approval, if the version of the plan to be implemented is specified in these conditions; or		This includes the approved versions of the CEMP and relevant sub plans (Rev A) as approved by the Department of 23 August 2023, and by the Planning
	b) the plan is approved by the Minister in writing, if the plan requires the approval of the Minister; or		Secretary on 8 August 2023. The website also includes the latest version of the CEMP (Rev B), BCSP (Rev E) and the HCSP (Rev B), that were subject to minor amendments during the reporting period (endorsed by the Independent ER) and
	c) the plan is submitted to the department in accordance with a requirement of these conditions, if the plan does not require the approval of the Minister; or		submitted in accordance with conditions 12 and 13.
	d) the plan is approved by a state/territory government official/the NSW Planning Secretary as required under a state/territory government condition which must be complied with in accordance with these EPBC Act conditions.		
19	The approval holder must keep all published plans required by these conditions on the website until the expiry date of this approval, unless otherwise agreed by the Minister in writing	Compliant	All current versions of the plans required under the conditions (excluding those not yet triggered) have been published on the Sydney Water Talk project website: <a href="https://www.sydneywatertalk.com.au/uppersouthcreek">https://www.sydneywatertalk.com.au/uppersouthcreek</a>
20	The approval holder is required to exclude or redact sensitive ecological data from plans published on the	Not applicable	Not Triggered during the reporting period.

Condition No	Condition Requirements	Compliance Status	Evidence/Comments
	website or otherwise provided to a member of the public		
21	If sensitive ecological data is excluded or redacted from a plan in accordance with condition 20, the approval holder must notify the department in writing what exclusions and redactions have been made in the version published on the website.	Not applicable	Not Triggered during the reporting period
22	The approval holder must notify the department electronically of the date of commencement of the Action, within 5 business days of commencement of the Action.	Compliant	The notification letter detailing the commencement of construction (28 August 2023) was sent via email on 28 August 2023 to the email address indicated in the approval and directly to the Department representative assigned to the project.
23	If the commencement of the Action does not occur within 5 years from the date of this approval, then the approval holder must not commence the Action without the prior written agreement of the Minister	Compliant	This condition was not triggered as the commencement date of the project, 28 August 2023, was within 5 years of the date of this approval (17 February 2023).
24	The approval holder must maintain accurate and complete compliance records	Compliant	A compliance tracking program is maintained for the project, which tracks compliance against the EPBC 2020/8816 conditions, the EIS mitigation measures and the State Infrastructure Approval conditions. Records of all correspondence with the Department and relevant agencies are also maintained. This compliance report provides a record of the compliance status over the reporting period for each triggered condition. The project is also subject to 6 monthly independent auditing under the State Infrastructure Approval, to assess compliance status. This includes numerous conditions which are also referenced in the EPBC 2020/8816 approval.
25	If the department makes a request in writing, the approval holder must provide electronic copies of compliance records to the department within the timeframe specified in the request.	Compliant	No requests have been received from the Department during the reporting period.



Condition No	Condition Requirements	Compliance Status	Evidence/Comments
26	The approval holder must ensure that any monitoring data (including sensitive ecological data), surveys, maps, and other spatial and metadata required under the conditions of this approval are prepared in accordance with the Guidelines for biological survey and mapped data, Commonwealth of Australia 2018, or as otherwise specified by the Minister in writing	Compliant	Clearing of various areas of protected matters, with reference to the maps included as Attachment A to the approval (as varied on 2/4/24), has occurred within the reporting period. Refer to Appendix A, which details maps of areas cleared, along with calculations of clearing volumes. Pre-clearing inspections and reports were undertaken and developed prior to any clearing of protected matters to ensure all clearing was within approved limits. Once clearing of the listed protected matters occurs, post clearing reports are developed by the project ecologist. Extracts of these are included in Appendix B.
27	The approval holder must ensure that any monitoring data (including sensitive ecological data), surveys, maps, and other spatial and metadata required under the conditions of this approval are prepared in accordance with the Guide to providing maps and boundary data for EPBC Act projects, Commonwealth of Australia 2021, or as otherwise specified by the Minister in writing.	Compliant	Clearing of various areas of protected matters, with reference to the maps included as Attachment A to the approval (as varied on 2/4/24), has occurred within the reporting period. Refer to Appendix A, which details maps of areas cleared, along with calculations of clearing volumes, along with the shape files provided electronically to the Department to accompany this compliance report. Pre-clearing inspections and reports were undertaken and developed prior to any clearing of protected matters to ensure all clearing was within approved limits. Once clearing of the listed protected matters occurs, post clearing reports are developed by the project ecologist. Extracts of these are included in Appendix B.
28	The approval holder must submit all monitoring data (including sensitive ecological data), surveys, maps, other spatial and metadata and all species occurrence record data (sightings and evidence of presence) electronically to the department within 12 months of the date of this approval decision, or as otherwise agreed by the Minister in writing.	Compliant	Clearing of various areas of protected matters, with reference to the maps included as Attachment A to the approval (as varied on 2/4/24), has occurred within the reporting period. Refer to Appendix A, which details maps of areas cleared, along with calculations of clearing volumes, along with the shape files provided electronically to the Department to accompany this compliance report. Pre-clearing inspections and reports were undertaken and developed prior to any clearing of protected matters to ensure all clearing was within approved limits. Once clearing of the listed protected matters occurs, post clearing reports are developed by the project ecologist. Extracts of these are included in Appendix B.
29	The approval holder must prepare a compliance report for each 12-month period following the date of this	Compliant	This report is the 2 <sup>nd</sup> compliance report prepared for the project and satisfies this condition for the reporting period 18 February 2024 to 17 February 2025. This



Condition No	Condition Requirements	Compliance Status	Evidence/Comments	
	approval, or as otherwise agreed to in writing by the Minister.		report is scheduled to be submitted by 15 May 2025 (60 business days from the end of the 12 month period following receipt of approval).	
30	Each compliance report must be consistent with the Annual Compliance Report Guidelines, Commonwealth of Australia 2014	Compliant	This compliance report has been developed with reference to, and is considered consistent with, the Annual Compliance Report Guidelines.	
31Each compliance report must include:Complianta) Accurate and complete details of compliance and any non-compliance with the conditions and the plans, and any incidents.b) One or more shapefile showing all clearing of any protected matters, and/or their habitat, undertaken within the 12-month period at the end of which that compliance report is prepared.c) A schedule of all plans in existence in relation to these conditions and accurate and complete details of how each plan is being implemented.	This compliance report has been prepared with reference to the Annual Compliance Report Guidelines for the reporting period 18 February 2024 to 17 February 2025.			
		a) This table (Table 1) provides details of the compliance status for each condition. There have been no incidents, as defined in Annexure A, Part C – Definitions that have resulted in any actual or potential impacts to protected matters during the reporting period. There have also been no non-compliances raised against any EPBC 2020/8816 conditions or any commitments included in the plans (required under Condition 6) during the reporting period.		
	these conditions and accurate and complete details of how each plan is being implemented.		b) Shape files have been provided electronically to the Department to accompany this compliance report, depicting clearing extents of all clearing undertaken of protected matters within the reporting period.	
			c) A schedule has been included in Appendix C, which includes implementation details.	
32	The approval holder must: a) Publish each compliance report on the website	Compliant	This report will be published on the USC Project Sydney Water Talk website and the Department will be notified via email.	
v n ru b c	within 60 business days following the end of the 12- month period for which that compliance report is required.		a) This 2 <sup>nd</sup> compliance report is scheduled to be published on the Sydney Water Talk project website ( <u>https://www.sydneywatertalk.com.au/uppersouthcreek</u> ) by 15 May 2025 (60 business days from the end of the 12 month period - 17	
	b) Notify the department electronically, within 5 business days of the date of publication that a compliance report		b) Following the publication of the report, the Department will be notified via email to the email addresses listed in the approval decision letter and directly to the	

2024 - 2025 Annual Compliance Report

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Condition No	Condition Requirements	Compliance Status	Evidence/Comments
	c) Provide the weblink for the compliance report in the notification to the department.		Department representative assigned to the project. This notification will include providing a copy of the compliance report prepared for the reporting period
d) Keep all published compliance reports required by these conditions on the website until the expiry date of this approval.	c) The notification to the Department regarding the availability of the compliance report will include a specific weblink to the report on the Sydney Water Talk		
	e) Exclude or redact sensitive ecological data from compliance reports published on the website or otherwise provided to a member of the public.		<ul> <li>website (<u>https://www.sydneywatertalk.com.au/uppersouthcreek</u>).</li> <li>d) This report is the 2<sup>nd</sup> compliance report prepared by the project and will be maintained on the project website, along with the previous compliance report.</li> </ul>
	f) If sensitive ecological data is excluded or redacted from the published version, submit the full compliance		<ul> <li>e) Not Triggered - No sensitive ecological data has been excluded from compliance report in this reporting period.</li> </ul>
	report to the department within 5 business days of its publication on the website and notify the department in writing what exclusions and redactions have been made in the version published on the website.		f) Not Triggered.
33	The approval holder must notify the department electronically, within 2 business days of becoming aware of any incident and/or potential non-compliance and/or actual non-compliance with the conditions or commitments made in a plan.	Compliant	Not Triggered - There have been no incidents that have resulted in any actual or potential impacts to protected matters during the reporting period. There have also been no non-compliances raised against any EPBC 2020/8816 conditions or any commitments included in the plans (required under Condition 6) during the reporting period.
			As part of the State Infrastructure Approval (SSI 8609189), two independent audits were undertaken within the reporting period, in April and October 2024, respectively. During these audits, two minor non-compliances (not related to the EPBC approval or protected matters) were raised. These related to State Infrastructure Approval conditions:
			<ul> <li>C12/ E1 – On 2 September 2024, dust was observed being generated at numerous locations across the site due to a combination of high winds and dry ground conditions. A non-compliance was raised in relation to dust management on the Project and a non-compliance report was prepared, dated 6/9/24 and submitted to Sydney Water. DPHL and the Independent</li> </ul>



Condition No	Condition Requirements	Compliance Status	Evidence/Comments				
			ER. Dust mitigation was not being undertaken as required under the Project's Air Quality CEMP Sub-plan resulting in dust generation from site.				
			<ul> <li>CoA C18 – The noise and vibration monitoring report was not submitted to the NSW Planning Secretary within the required timeframe, as detailed in the Noise and Vibration Monitoring Program.</li> </ul>				
			These non-compliances were not reported to the Department, as they were not related to the EPBC approval and did not result in any actual or potential impacts to protected matters.				
34	The approval holder must specify in the notification:	Not	Not Triggered - There have been no incidents that have resulted in any (actual or				
	a) Any condition or commitment made in a plan which has been or may have been breached.	applicable	potential) impacts to protected matters during the reporting period. There have also been no non-compliances raised or breaches identified against any EPBC 2020/8816 conditions or any commitments included in the plans (required under				
	b) A short description of the incident and/or potential non-compliance and/or actual noncompliance.		Condition 6) during the reporting period.				
	c) The location (including co-ordinates), date, and time of the incident and/or potential noncompliance and/or actual non-compliance						
35	The approval holder must provide to the department in writing, within 12 business days of becoming aware of any incident and/or potential non-compliance and/or actual noncompliance, the details of that incident and/or potential non-compliance and/or actual noncompliance with the conditions or commitments made in a plan. The approval holder must specify:	Not applicable	Not Triggered - There have been no incidents or non-compliances raised or identified in relation to any protected matters specified in the EPBC 2020/8816 conditions or commitments to plans (required under Condition 6) during the reporting period.				
	a) Any corrective action or investigation which the approval holder has already taken						
	b) The potential impacts of the incident and/or non- compliance						



Condition No	Condition Requirements	Compliance Status	Evidence/Comments
	c) The method and timing of any corrective action that will be undertaken by the approval holder		
36	The approval holder must ensure that an independent audit of compliance with the conditions is conducted for every five-year period following the commencement of the Action until this approval expires, unless otherwise specified in writing by the Minister.	Not Applicable	Not Triggered during the reporting period. Commencement of the action was Monday 28 August 2023.
37	For each independent audit, the approval holder must: a) Provide the name and qualifications of the nominated independent auditor, the draft audit criteria, and proposed timeframe for submitting the audit report to the department prior to commencing the independent audit.	Not applicable	Not Triggered during the reporting period.
	b) Only commence the independent audit once the nominated independent auditor, audit criteria and timeframe for submitting the audit report have been approved in writing by the department.		
	c) Submit the audit report to the department for approval within the timeframe specified and approved in writing by the department.		
	d) Publish each audit report on the website within 15 business days of the date of the department's approval of the audit report.		
	e) Keep every audit report published on the website until this approval expires.		
38	Each audit report must report for the five-year period preceding that audit report	Not applicable	Not Triggered during the reporting period.



Condition No	Condition Requirements	Compliance Status	Evidence/Comments
39	Each audit report must be completed to the satisfaction of the Minister and be consistent with the Environment Protection and Biodiversity Conservation Act 1999 Independent Audit and Audit Report Guidelines, Commonwealth of Australia 2019.	Not applicable	Not Triggered during the reporting period.
40	The approval holder must notify the department electronically 60 business days prior to the expiry date of this approval, that the approval is due to expire.	Not applicable	Not Triggered - The approval has effect until 31 December 2063
41	Within 20 business days after the completion of the Action, and, in any event, before this approval expires, the approval holder must notify the department electronically of the date of completion of the Action and provide completion data.	Not applicable	Not Triggered, as the project is still in construction.



# Appendix A – Clearing of Protected Matters

# **JOHN** Upper South Creek Vegetation Clearing Register HOLLAND

Period - Commencement of Project to 17/02/2025 Clearing calcuations undertaken by AMBS Ecologists

State / Commonwealth	Vegetation Type	Condition	Quantity Cleared (ha)	Sum of Cleared (ha)	Clearing Limit (ha)	Quantity Remaining (ha)	% Cleared
	724 - Broad-leaved Ironbark – Grey Box – Melaleuca decora grassy open forest on	Thinned	0.503	0.522	1 5 8	1.058	330%
	clay/gravel soils of the Cumberland Plain, Sydney Basin Bioregion	Scattered Trees	0.019	0.322	1.56	1.056	3370
	725 - Broad-leaved Ironbark – Melaleuca decora shrubby open forest on clay soils of the Cumberland Plain, Sydney Basin Bioregion	Scattered Trees	0.006	0.006	0.01	0.004	60%
	925 Forest Ped Cum Pough barked Apple grassy woodland on alluvial flats of the	dney Basin BioregionScattered Trees0.0000.0010.004- Rough-barked Apple grassy woodland on alluvial flats of the dney Basin BioregionIntact0.129 Thinned1.542.811.27Scattered Trees0.4321.542.811.27st Red Gum grassy woodland on flats of the Cumberland Plain, onIntact0.223 Thinned1.8294.482.651					
	Cumberland Plain Sydney Basin Biorggion	Thinned	0.979	1.54	2.81	1.27	55%
State		Scattered Trees	ConditionQualitySum ofClearingQualitySum ofClearingQuality% Clearedhinned $0.503$ cattered Trees $0.009$ $0.522$ $1.58$ $1.058$ $33\%$ cattered Trees $0.006$ $0.006$ $0.01$ $0.004$ $60\%$ cattered Trees $0.006$ $0.006$ $0.01$ $0.004$ $60\%$ tact $0.129$ hinned $0.979$ $1.54$ $2.81$ $1.27$ $55\%$ cattered Trees $0.432$ $1.829$ $4.48$ $2.651$ $41\%$ tact $0.223$ hinned $1.829$ $4.48$ $2.651$ $41\%$ cattered Trees $0.552$ $0.054$ $0.26$ $0.206$ $21\%$ hinned $0.054$ $0.054$ $0.92$ $0.757$ $18\%$ cattered Trees $0.019$ $0.163$ $0.92$ $0.757$ $18\%$ $0.425$ $0.425$ $1.44$ $1.015$ $30\%$ $0.771$ $0.771$ $0.771$ $1.64$ $0.869$ $47\%$				
Slate	849 - Grey Boy - Forest Red Gum grassy woodland on flats of the Cumberland Plain	Intact	0.223				
	Sydney Basin Bioregion	Thinned	1.054	1.829	4.48	2.651	41%
		Intact         0.432         4.48         2.651         41%           Pumberland Plain,         Intact         0.223         1.829         4.48         2.651         41%           Egion and South East         0.054         0.054         0.054         0.26         0.206         21%					
	1105 - River Oak open forest of major streams, Sydney Basin Bioregion and South East Corner Bioregion	Thinned	0.054	0.054	0.26	0.206	21%
	1800 - Swamp Oak open forest on riverflats of the Cumberland Plain and Hunter valley	Thinned	0.144	0.162	0.02	0.757	18%
	1800 - Swamp Oak open forest on riverflats of the Cumberland Plain and Hunter valley		0.019	0.103	0.52	0.737	1070
Commonwoolth	Cumberland Plain Shale Woodlands and Shale-Gravel Transition Forest	-	0.425	0.425	1.44	1.015	30%
	Spiked Rice-flower habitat	-	0.771	0.771	1.64	0.869	47%
Other	Urban Native/Exotic	-	1.304	1.304	N/A	-	-

# Clearing of EPBC Protected Matters Between 18/02/2024 and 17/02/2025



EPBC Protected Matters Cleared

Pimelea spicata Habitat



# Clearing of EPBC Protected Matters Between 18/02/2024 and 17/02/2025



Project Name: Upper South Creek Advanced Water Recycling Centre EPBC Number: 2020/8816 Scale: 1:4,000 Map: 2 of 5 EPBC Protected Matters Cleared

N Kilometres 0 0.05 0.1 0.2 Cology + heritage



Project Name: Upper South Creek Advanced Water Recycling Centre EPBC Number: 2020/8816 Scale: 1:4,000 Map: 3 of 5 EPBC Protected Matters Cleared

N Kilometres 0 0.05 0.1 0.2 Cology + heritage

# Clearing of EPBC Protected Matters Between 18/02/2024 and 17/02/2025



Project Name: Upper South Creek Advanced Water Recycling Centre EPBC Number: 2020/8816 Scale: 1:4,000 Map: 4 of 5 EPBC Protected Matters Cleared

Cumberland Plain Shale Woodlands and Shale-Gravel Transition Forest (CEEC)







Project Name: Upper South Creek Advanced Water Recycling Centre EPBC Number: 2020/8816 Scale: 1:4,000 Map: 5 of 5 EPBC Protected Matters Cleared

Cumberland Plain Shale Woodlands and Shale-Gravel Transition Forest (CEEC)

Pimelea spicata Habitat





### Appendix B – Preclearing and Post Clearing Records



Upper South Creek Advanced Water Recycling Centre and Pipelines Project Pre-clearance Assessment Report

**Revision 5** 

Prepared for John Holland

19 October 2023


### **Document revisions**

This document will be updated following completion of each pre-clearance assessment. Subsequent revisions will be referred to in increasing numerical order. Revision details are provided in the table below. A final version of the document will be issued to John Holland at the completion of all pre-clearance assessments.

Date	Revision	Details of document	Prepared by	Reviewed and approved by
28/8/2023	01	Revision 01 includes the priority compound areas identified by John Holland.	K. Edwards	B. Corrigan
11/9/2023	02	Revision 02 includes the priority compound areas and priority "zones" along the treated water and brine pipeline.	K. Edwards T. Lillicot	R. Dwyer
21/9/2023	03	Revision 03 includes the priority compounds and the additional priority "zones" along the treated water and brine pipeline.	K. Edwards T. Horton	R. Dwyer
28/9/2023	04	Revision 04 includes additional priority "zones" along the treated water pipeline.	K. Edwards T. Lillicot	C. Wharfe
18/10/2023	05	Revision 05 includes additional priority "zones" along the treated water and brine pipeline.	K. Edwards T. Horton	J. Raithby-Veall



# 1. Project Background

A comprehensive project description for the Upper South Creek Advanced Water Recycling Centre (AWRC) and pipelines project (the project), including staging of the project, is outlined in Sections 1.1 to 1.3 of the project Construction Environmental Management Plan (CEMP) (USCP-JHG-MPL-ENV-0003). An overview of the project location is provided in Figure 2-1.

Biosis Pty Ltd has been commissioned by John Holland to undertake pre-clearance surveys during the construction phase of the project in accordance with the project's approved Biodiversity CEMP Sub-plan (BCSP) (USCP-JHG-MPL-ENV-0004 Revision A). This report is in fulfilment of the following Biodiversity Management Measures specified in the BCSP that are the responsibility of the Project Ecologist, as outlined in Table 1-1.

Ref.	Requirement	Timing	Evidence
B25	<ul> <li>Vegetation clearing activities must:</li> <li>Physically demarcate areas of vegetation to be trimmed or removed.</li> <li>Mark areas of vegetation and habitat features to be retained and 'no go' zones.</li> <li>Install appropriate signage prior to works commencing.</li> <li>Demarcate all habitat trees, including known and potential hollow-bearing trees (HBTs).</li> </ul>	Pre-clearance	Vegetation clearing limits and demarcation have been checked by the Project Ecologist during pre- clearance inspections and documented in this report.
B35	Retain all felled trees and hollows where possible for placement to provide further fauna habitat. Reuse native vegetation and other habitat features that have been approved for removal wherever possible within other areas of the project footprint as part of the rehabilitation works. Where such reuse is not possible, consultation prior to the removal of vegetation and other habitat is to occur in accordance with the Vegetation Clearing Procedure to find alternative reuse options.	Pre-clearance	Features for retention have been identified during the pre-clearance inspections and documented in this report.
B47	Areas of weed infestation will be identified by an ecologist during pre-clearance survey (weed and pathogens) and will identify the species and location of any weeds.	Pre-clearance	Weeds have been mapped in accordance with the BCSP Weed and Pathogen Management Procedure (WMP) and the results documented in this report.

#### Table 1-1 BCSP Biodiversity Management Measures



# 2. Document scope

This document summarises the pre-clearance surveys completed for the Brine and Treated Water pipeline components of the project and associated site compounds. Pre-clearance reports relevant to the AWRC site in Kemps Creek have been provided to John Holland separately as standalone documents. The pipeline survey area has been divided into sections according to the construction staging identified by John Holland. These sections will hereby be referred to as "zones" and will be included in this report in accordance with project staging. The zones are detailed below in Table 2-1.

Zone	Chainage areas	Status	Document timeline	Section reference	Survey complete
Treated wat	er pipeline				
Priority compo	unds				
Compound 3	N/A	Included	October 2023	4.1	Yes
Compound 6a	N/A	Included	August 2023	4.2	Yes
Compound 7	N/A	Included	August 2023	4.3	Yes
Pipeline					
Zone 1	1315 - 3450	Included	September 2023	4.4	No
Zone 2	3450 - 3900	Included	September 2023	4.5	No
Zone 3	3900 - 4625	Included	September 2023	4.6	No
Zone 4	4625 - 4837	Future development	TBD	N/A	No
Zone 5	4837 - 5575	Included	October 2023	4.7	No
Zone 6	5575 - 6920	Included	September 2023	4.8	Yes
Zone 7	6920 - 7290	Included	September 2023	4.9	Yes
Zone 8	7290 - 7350	Future development	TBD	N/A	No
Zone 9	7530 - 7900	Included	September 2023	4.10	No
Zone 10	7900 - 8268	Included	September 2023	4.11	Yes
Zone 11	8268 - 9207	Included	September 2023	4.12	Yes
Zone 12	9207 - 9375	Included	October 2023	4.13	Yes
Zone 13	9375 - 10705	Included	October 2023	4.14	Yes

#### Table 2-1 Timeline of the project



Zone	Chainage areas	Status	Document timeline	Section reference	Survey complete
Zone 14	10705 - 11950	Included	September 2023	4.15	Yes
Zone 15	11950 - 12250	Included	September 2023	4.16	Yes
Zone 16	12250 - 14750	Included	September 2023	4.17	Yes
Zone 17	14750 - 15118	Included	September 2023	4.18	Yes
Zone 18	15118 - 15614	Included	September 2023	4.19	Yes
Zone 19	15614 - 15679	Included	October 2023	4.20	Yes
Zone 20	15679 - 16175	Included	September 2023	4.21	No
Zone 21	16175 - 16600	Included	September 2023	4.22	Yes
Zone 22	17000 - 17469	Included	October 2023	4.23	Yes
Brine pipeline					
Priority compo	ounds				
Compound 9	N/A	Included	August 2023	5.1	No
Compound 10	N/A	Included	August 2023	5.2	Yes
Compound 11	N/A	Included	August 2023	5.3	Yes
Compound 12	N/A	Included	August 2023	5.4	Yes
Compound 14	N/A	Included	August 2023	5.5	Yes
Compound 15	N/A	Included	September 2023	5.6	Yes
Compound 21	N/A	Included	August 2023	5.7	Yes
Pipeline					
Zone 1	225 - 1300	Included	September 2023	5.8	Yes
Zone 2	1300 - 2100	Included	September 2023	5.9	Yes
Zone 3	2100 - 2405	Included	September 2023	5.10	Yes
Zone 4	2405 - 4750	Included	September 2023	5.11	Yes
Zone 5	4750 - 7366	Included	September 2023	5.12	Yes
Zone 6	7366 - 7512	Included	September 2023	5.13	Yes



Zone	Chainage areas	Status	Document timeline	Section reference	Survey complete
Zone 7	7512 - 7750	Included	September 2023	5.14	Yes
Zone 8	7750 - 8000	Included	September 2023	5.15	Yes
Zone 9	8000 - 8820	Included	September 2023	5.16	Yes
Zone 10	8820 - 9107	Included	September 2023	5.17	Yes
Zone 11	9107 - 9475	Included	September 2023	5.18	Yes
Zone 12	9475 - 10947	Included	September 2023	5.19	Yes
Zone 13	10947 - 11445	Included	October 2023	5.20	Yes
Zone 14	11445 - 12725	Included	October 2023	5.21	Yes
Zone 14A	12725 - 12930	Included	October 2023	5.22	Yes
Zone 14B	12930 - 13875	Included	October 2023	5.23	Yes
Zone 15	13875 - 14297	Included	October 2023	5.24	Yes
Zone 16 -Zone 28	14297 - 24033	Included	September 2023	5.25	Yes





# 3. Methods

The pre-clearance surveys were undertaken in accordance with the BCSP. Specifically, the tasks undertaken as part of the pre-clearance surveys included:

- Identify and map the presence of high, moderate and low risk weeds in accordance with the BCSP Weed and Pathogen Management Procedure.
- Identify and map weeds based on the most appropriate treatment options detailed in Table 6-1.
- Identify and map areas of potential infection by the root-rot water mould *Phytophthora cinnamomi* in accordance with the BCSP Weed and Pathogen Management Procedure.
- Identify and map any relevant biodiversity features suitable for salvage and re-use at the site for rehabilitation works including hollow-bearing trees, trees, logs or stumps with trunks larger than 25 – 30 centimetres in diameter, and bush rock.
- Identify and mark any habitat trees (with blue and white diagonally striped flagging tape in accordance with Appendix G of the BCSP) requiring removal via the two-stage process detailed in the BCSP Vegetation Clearing Procedure.

It should be noted that for the purposes of biosecurity and topsoil management, all areas within a compound or zone were mapped according to the highest risk classification in a defined area.



# 4. Treated water pipeline

Pre-clearance assessments have been completed for the sites along the treated water pipeline shown in Table 4-2 to Table 4-22 and for sites along the brine pipeline in Table 5-1 to Table 5-26.



## 4.7. Zone 5

The pre-clearance survey for a portion of Zone 5 was undertaken on 21 August 2023 by Kaisha Edwards (Botanist) and Dylan Mason (Graduate Botanist) of Biosis, accompanied by Mark McCullogh (Treated Water Pipeline Site Supervisor - John Holland). This area was also surveyed by Todd Horton (Graduate Botanist) on 5 October 2023. Access could not be obtained for the remainder of Zone 5 and therefore was not surveyed. This area will be surveyed during upcoming pre-clearance surveys.

The results of the pre-clearance assessment for Zone 5 are presented below in Table 4-7.

Site details	Assessment results			
Site name	Zone 5			
Location	Located in Lot 74 DP1277011 and extending into the eastern end of Lot 1 DP 1287712 along Elizabeth Drive (Figure 4-7).			
Native vegetation	Native vegetation was limited within Zone 5, with most of the site either cleared for the M12 or cleared for pasture. Small, isolated patches of low condition native vegetation were present within the portion of this zone that could be surveyed, including species such as Grey Box and flowering <i>Dillwynia</i> spp.			
Fauna habitat	Hollow-bearing trees	🛛 Present 🗆 Absent		
leatures	Bush rock	🗆 Present 🛛 Absent		
	Nests	🗆 Present 🛛 Absent		
	Trees, stumps and logs with trunks at least 25 – 30 cm in diameter. Diameter was measured at breast height (DBH).	🛛 Present 🗆 Absent		
	Salvage of habitat features required?	⊠ Yes □ No		
	Ecologist recommended during clearing?	🛛 Yes 🗆 No		
	Habitat features suitable for re-use were identified within Zone 5. Multiple trees, stumps and a stag with a DBH of greater than 25 cm, as well as one hollow bearing tree was observed within the western portion of Zone 5. One hollow-bearing stag (Arborist tree 1453) was located within the zone, containing one medium size hollow (50-149 mm). Hollow-bearing trees have the potential to provide nesting/roosting habitat for locally occurring fauna. Due to the presence of habitat trees for fauna, an ecologist would need to supervise clearing at this site. If any fauna is encountered during clearing, the BCSP Unexpected Finds Protocol and /or the Fauna Rescue and Release Procedure should be followed, and the Project Ecologist called.			
Weed mapping	Zone 5 was comprised of a combination of low, moderate and high-risk weeds as identified in the WMP. The area was dominated by Rhodes Grass and Paspalum, along with several other exotic groundcover species. Chilean Needle Grass <i>Nassella neesiana</i> was abundant on the eastern boundary of the area that was surveyed, and Fireweed was scattered throughout the entire area.			

Table 4-7Zone 5 pre-clearance assessment

Upper South Creek Advanced Water Recycling Centre and Pipelines Pre-clearance reports | 19 October 2023



Site details	Assessment results		
	Blackberry, African Boxthorn and African Olive <i>Olea europaea</i> subsp. <i>cuspidata</i> were present in low density within this zone, particularly along the driveway at the boundary between Zone 5 and Zone 6. Moth vine was also present in moderate density along the driveway into this zone.		
Weed risk categories	Topsoil removal required: ⊠ Yes □ No Weed pre-treatment required: ⊠ Yes □ No The vegetation within Zone 5 was mapped based on weed risk in accordance with the WMP in the BCSP, as well as the risk of spread of individual weed species in accordance with Table 6-1 and Table 6-2. Most of the vegetation in the portion of Zone 5 surveyed was mapped as high risk with a moderate risk of spread due to the presence of Fireweed throughout the entire area surveyed. The remaining vegetation was mapped as high risk with a high risk of spread, due to the presence of African Boxthorn, African Olive and Blackberry. For the management of weeds and topsoil within the area, Zone 5 was mapped in accordance with the management practices outlined in Table 6-1.		
Pathogens	Pathogens: Phytophthora cinnamomi	🗆 Present 🛛 Absent	
	Detection method	⊠Visual inspection for dieback □ Sample analysis	
Photo- Zone 5	<image/>		
Figure reference	Figure 4-7		







# 4.17. Zone 16

The pre-clearance survey for Zone 16 was undertaken on 31 August 2023 by Kaisha Edwards (Botanist) and Dylan Mason (Graduate Botanist) of Biosis, accompanied by Mark McCullogh (Treated Water Pipeline Site Supervisor - John Holland). Vegetation within this zone is in close proximity to the road and due to the high speed of vehicles travelling along Park Road, Biosis undertook this survey under supervision of Traffic Control in addition to the John Holland Treated Water Pipeline Site Supervisor. Not all vegetation within Zone 16 could be surveyed during the field investigation (see Figure 4-17) as the road shoulder was too narrow for Traffic Control to safely supervise field staff. In these areas, pre-clearance surveys will need to be undertaken with lane closures in accordance with John Holland's Work, Health and Safety protocol.

An additional field investigation to map habitat features in the remaining unsurveyed areas as part of preclearance surveys was undertaken by Todd Horton on 9 October 2023. In these areas, weed mapping has not yet been undertaken. Pre-clearance weed mapping will be undertaken as part of upcoming surveys.

The results of the pre-clearance assessment for Zone 16 are presented below in Table 4-17.

Site details	Assessment results		
Site name	Zone 16		
Location	Located along Park Road, west of zone 14 and extending west to Montelimar Place in Wallacia, NSW (Figure 4-17).		
Native vegetation	Zone 16 is located across several lots, comprised of a combination of maintained front lawns and large patches of disturbed, roadside vegetation. Patches of native vegetation contains native canopy species including Forest Red Gum and Grey Box, with an understory of predominantly Native Blackthorn and scattered species such as Purple Coral Pea which was flowering at the time of the survey. Juvenile native species within these patches may offer a potential salvage opportunity.		
Fauna habitat features	Hollow-bearing trees	⊠ Present □ Absent	
	Nests	⊠ Present □ Absent	
	Trees, stumps and logs with trunks at least 25 – 30 cm in diameter. Diameter was measured at breast height (DBH).	⊠ Present □ Absent	
	Salvage of habitat features required?	⊠ Yes □ No	
	Ecologist recommended during clearing?	⊠ Yes □ No	

#### Table 4-17 Zone 16 pre-clearance assessment



Site details	Assessment results		
	Several habitat features were identified within Zone 16. Multiple logs and trees with a DBH of greater than 25cm, large rocks and two hollow-bearing trees were observed within Zone 16. These hollow-bearing trees contained multiple hollows ranging from small (<50 mm) to medium (50-149 mm), one of which was observed to have birds utilising the hollows at the time of the survey. The hollow-bearing trees have the potential to provide nesting/roosting habitat for locally occurring fauna. One nest was also observed within Zone 16 during field surveys. Due to the presence of habitat trees for fauna, an ecologist would not need to supervise clearing at this site. If any fauna is encountered during clearing, the BCSP Unexpected Finds Protocol and /or the Fauna Rescue and Release Procedure should be followed, and the Project Ecologist called.		
Weed mapping	Zone 16 was comprised of a combination of low, moderate and high-risk weeds as identified in the WMP. The open areas within this zone were dominated by Rhodes Grass, Kikuyu, Perennial Ryegrass, Prairie Grass and Wild Oats, along with high cover of Shivery Grass, Lamb's Tongues, Common Vetch, White Clover, Burr Medic and Chickweed scattered throughout. Panic Veldtgrass, Common Sowthistle and Dandelion were also observed within this zone, aswell as scattered occurrences of White Jasmine, Periwinkle <i>Vinca major</i> , Century Plant <i>Agave americana</i> and Onion Grass <i>Romulea rosea</i> . Fireweed was scattered throughout most of the zone, while Moth Vine was observed in high density throughout the entire zone, particularly along the southern fence line and the roadside. High risk weed species with a high risk of spread including Lantana, African Boxthorn, African Olive, Bridal Creeper and Blackberg were also observed n high densities within this zone.		
Weed risk categories	<ul> <li>Topsoil removal required: ⊠ Yes □ No</li> <li>Weed pre-treatment required: ⊠ Yes □ No</li> <li>The vegetation within Zone 16 was mapped based on weed risk in accordance with the WMP in the BCSP, as well as the risk of spread of individual weed species in accordance with Table 6-1 and Table 6-2. Most of the vegetation in Zone 16 was mapped as high risk with a moderate risk of spread due to the presence of Fireweed throughout much of the zone. The remaining vegetation was mapped as high risk with a high risk of spread, due to the presence of African Boxthorn, Lantana, Blackberry, Bridal Creeper and African Olive.</li> <li>For the management of weeds and topsoil within the area, Zone 16 was mapped in accordance with the management practices outlined in Table 6-1.</li> </ul>		
Pathogens	Pathogens: Phytophthora cinnamomi	🗆 Present 🛛 Absent	
	Detection method	⊠Visual inspection for dieback	

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Site details	Assessment results
Photo - Zone 16	
Figure reference	Figure 4-17













Zone

### Habitat features for salvage

- Hollow-bearing tree
- Logs with DBH greater than 25cm

PENRITH

- Rocks
- Stag tree
- ♦ Tree stump
- Tree with DBH greater than 25cm
- Stick nest

### Species requiring treatment

- *Lantana camara* Lantana *Rubus fruticosus* sp. agg. - Blackberry complex
- Olea europaea subsp. cuspidata African Olive
  - Asparagus asparagoides Bridal Creeper
- *Opuntia stricta* Common Prickly Pear
- Lycium ferocissimum African Boxthorn
- Opuntia stricta Common Prickly Pear
- Asparagus asparagoides Bridal Creeper
- Olea europaea subsp. cuspidata African Olive
- Lantana camara Lantana

#### Weed risk

- High risk , High spread
- High risk , Moderate spread
- High risk, High spread (Individual weed record)

## Figure 4.17.3 Zone 16

0 25 50 75 100 125 Metres Scale: 1:3.000 @ A3



Scale: 1:3,000 @ A3 Coordinate System: GDA2020 MGA Zone 56



Matter: 39130, Date: 17 October 2023 , Prepared for: KE, FW. Prepared by: HL, Last edited by: hliswoyo Layout: 39130\_PreClearance\_F4.17.2\_TWZone16 Project: P:\39100s\39130\Mapping\ 39130\_USC\_Report\_9.aprx





### 5.6. Compound 15

The pre-clearance survey for the far eastern section of the brine pipeline within Compound 15 was undertaken on 5 September 2023 by Todd Horton (Graduate Botanist) and Joel Nicholson (Zoologist) of Biosis, accompanied by David Gill (Brine Pipeline Site Supervisor – John Holland).

The results of the pre-clearance assessment for Compound 15 are presented below in Table 5-6.

Site details	Assessment results		
Site name	Compound 15 - Park		
Location	Located the far eastern at the end of the brine alignment (Figure 5-6).		
Native vegetation	Native vegetation is present throughout Compound 15. The native vegetation is comprised of canopy trees including Grey Box and Forest Red Gum with a midstorey of <i>Acacia</i> species, over an understorey of scattered Weeping Grass and Kidney Weed.		
Fauna habitat features	Hollow-bearing trees	🗆 Present 🛛 Absent	
	Bush rock	🗆 Present 🛛 Absent	
	Nests	🗆 Present 🛛 Absent	
	Trees, stumps and logs with trunks at least 25 – 30 cm in diameter. Diameter was measured at breast height (DBH).	🛛 Present 🗆 Absent	
	Salvage of habitat features required?	🛛 Yes 🗆 No	
	Ecologist recommended during clearing?	□ Yes 🖾 No	
	Limited habitat features were identified within Compound 15. No hollow-bearing trees, logs, bush rock or stick nests were observed within this compound during the field investigation, however, trees with a DBH of greater than 25 cm were observed. These were not individually marked during the survey as it was understood they were already captured by the arborist. Due to the absence of habitat trees for fauna, an ecologist would not need to supervise clearing at this site. If any fauna is encountered during clearing, the BCSP Unexpected Finds Protocol and /or the Fauna Rescue and Release Procedure should be followed, and the Project Ecologist called.		
Weed mapping	The area assessed within the compound was comprised of a combination of low and moderate risk weeds as identified in the WMP. The open grassed area was dominated by a variation of common exotic grasses such as Rhodes Grass, Prairie Grass, Kikuyu, African Lovegrass, Paspalum and Pale		

Table 5-6Compound 15 pre-clearance assessment

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Site details	Assessment results		
	Pigeon Grass. Other exotic species such as Fleabane, White Clover, Dock, Lamb's tongues, and Common Sowthistle were scattered throughout in varying densities. Several areas of high-risk weeds were observed within zone, including large patches of Lantana, Blackberry, and Bridal Creeper.		
Weed risk categories	Topsoil removal required: ⊠ Yes □ No Weed pre-treatment required: ⊠ Yes □ No The vegetation within Compound 15 was mapped based on weed risk in accordance with the WMP in the BCSP, as well as the risk of spread of individual weed species in accordance with Table 6-1 and Table 6-2. The vegetation within Compound 15 was mapped as high risk with a moderate risk of spread due to the presence of Fireweed scattered throughout the zone. The remaining vegetation was mapped as high risk with a high risk of spread due to the presence of Bridal Creeper, Blackberry and Lantana. For the management of weeds and topsoil within the area, Compound 15 was mapped in accordance with the management practices outlined in Table 6-1		
Pathogens	Pathogens: <i>Phytophthora cinnamomi</i> Detection method	<ul> <li>□ Present ⊠ Absent</li> <li>⊠ Visual inspection for dieback</li> <li>□ Sample analysis</li> </ul>	
Photo - Compound 15			



Site details	Assessment results
Figure reference	Figure 5-6* *Note that tree data for Compound 15 from the arborist was not available. The compound may require re-survey to mark trees with DBH greater than 25 cm by either the arborist or an ecologist.





Prepared for: KE, Prepared by: HL, Last edited by: hliswoyo Layout: 39130\_PreClearance\_F5.6\_BPCompound15 Project: P:\39100s\39130\Mapping\39130\_R7\_USC\_Prop\_BP\_fig32to36.aprx



## 5.12. Zone 5

The pre-clearance survey for Zone 5 between Brandown Quarry and the eastern end of the Zone 5, was undertaken on 5 September 2023 by Todd Horton (Graduate Botanist) and Joel Nicholson (Zoologist) of Biosis, accompanied by David Gill (Brine Pipeline Site Supervisor – John Holland).

The remainder of Zone 5, including the section within Lot 11 DP1146142 with suspected presence of *Phytophthora cinnamomi*, was undertaken on 3 October 2023 by Todd Horton (Graduate Botanist) and Tara Lillicot (Zoologist) of Biosis.

The results of the pre-clearance assessment for Zone 5 are presented below in Table 5-12.

#### Table 5-12 Zone 5 pre-clearance assessment

Site details	Assessment results		
Site name	Zone 5		
Location	Located in Kemps Creek, extending from the Brandown Quarry entrance to eastern end of Zone 5 at the Sydney International Shooting centre (Figure 5-12).		
Native vegetation	Native vegetation is present as scattered remnant trees and planted gardens along Zone 5. The native vegetation is comprised various trees including Forest Red Gum, Grey Box and Spotted Gum. The midstorey consisted of Black Wattle <i>Acacia decurrens</i> , Native Blackthorn and <i>Melaleuca decora</i> with ground layer of Tall Sedge <i>Carex appressa</i> , <i>Juncus usitatus</i> and Kangaroo <i>Themeda triandra</i> .		
Fauna habitat	Hollow-bearing trees	🛛 Present 🗆 Absent	
features	Bush rock	□ Present 🛛 Absent	
	Nests	🗆 Present 🛛 Absent	
	Trees, stumps and logs with trunks at least 25 – 30 cm in diameter. Diameter was measured at breast height (DBH).	⊠ Present □ Absent	
	Salvage of habitat features required?	🛛 Yes 🗆 No	
	Ecologist recommended during clearing?	🛛 Yes 🗆 No	
	Several habitat features suitable for re-use were identified within the assessed section of Zone 5. Several trees and logs with a DBH of greater than 25 cm and three hollow-bearing trees were observed within Zone 5. These hollow-bearing trees contained multiple hollows ranging from medium (50-149 mm) to Extra-large (>400 mm) and were scattered throughout the shooting range section zone. The hollow-bearing trees have the potential to provide nesting/roosting habitat for locally occurring fauna. Due to the presence of habitat trees for fauna, an ecologist would need to supervise clearing at this site. If any fauna is encountered during clearing, the BCSP Unexpected Finds Protocol and /or the Fauna Rescue and Release Procedure should be followed, and the Project		

Ecologist called.



Site details	Assessment results		
Weed mapping	The currently assessed section Zone 5 was comprised of a combination of low, moderate and high- risk weeds as identified in the WMP. Open paddock areas were dominated by a variation of common exotic grasses such as Rhodes Grass, African Lovegrass, Paspalum and Pale Pigeon Grass. Other exotic species such as Purpletop, Spear Thistle, Fleabane, African Daisy, Dock, Lamb's tongues, Kikuyu and Fireweed which were scattered throughout in varying densities. A single individual occurrence of African Boxthorn, a high-risk weed, was observed within the zone.		
Weed risk categories	<ul> <li>Topsoil removal required: ⊠ Yes □ No</li> <li>Weed pre-treatment required: ⊠ Yes □ No</li> <li>The vegetation within the currently assessed section of Zone 5 was mapped based on weed risk in accordance with the WMP in the BCSP, as well as the risk of spread of individual weed species in accordance with Table 6-1 and Table 6-2. Most of the vegetation in Zone 5 was mapped as high risk with a moderate risk of spread due to the presence of Fireweed throughout much of the vegetation within this zone. The remaining vegetation was mapped as high risk with a high risk of spread due to the presence of African Boxthorn.</li> <li>For the management of weeds and topsoil within the area, Zone 5 was mapped in accordance with the management practices outlined in Table 6-1.</li> </ul>		
Pathogens	Pathogens: Phytophthora cinnamomi	□ Present 🛛 Absent	
	Detection method	⊠Visual inspection for dieback □ Sample analysis	
Photo - Zone 5	<image/>		
Figure reference	Figure 5-12		





### <u>Legend</u>

Zone

## Habitat features for salvage

- Hollow-bearing tree
- Logs with DBH greater than 25cm
- Tree with DBH greater than 25cm
- ▲ Stick nest

## Species requiring treatment

Lycium ferocissimum - African Boxthorn Asparagus asparagoides - Bridal Creeper

### Species requiring treatment

- Lycium ferocissimum African Boxthorn
   Rubus fruticosus sp. agg. Blackberry complex
- Opuntia stricta Common Prickly Pear
- Asparagus asparagoides Bridal Creeper
- Cestrum parqui Green Cestrum

## Weed risk

- High risk , High spread
- High risk , Moderate spread
- High risk, High spread (Individual weed record)

# Figure 5.12.1 Zone 5

0 50 100 150 200 250



Metres Scale: 1:6,800 @ A3 Coordinate System: GDA2020 MGA Zone 56



Matter: 39130, Date: 19 October 2023 , Prepared for: KE, FW. Prepared by: HL, Last edited by: hliswoyo Layout: 39130\_PrecIcearance\_F5.12\_BPZone5\_overview Project: P:\39100s\39130\Mapping\ 39130\_USC\_Report\_9.aprx















Site details	Assessment results		
Site name	Access track to Zone 9		
Location	Located in Western Sydney Parklands, extending from Elizabeth Dr to Zone 9 (Figure 5-16).		
Native vegetation	Native vegetation is present in large patches within the Zone 9 access track. The native vegetation is comprised of a dense cover of canopy trees including Forest Red Gum, Grey Box, as well as Melaleuca and Acacia spp. some of which have been planted as part of past rehabilitation works for Cumberland Plain Woodland in Western Sydney Parklands.		
Fauna habitat	Hollow-bearing trees	🛛 Present 🗆 Absent	
reatures	Bush rock	🗆 Present 🛛 Absent	
	Nests	🗆 Present 🛛 Absent	
	Trees, stumps and logs with trunks at least 25 – 30 cm in diameter. Diameter was measured at breast height (DBH).	□ Present ⊠ Absent	
	Salvage of habitat features required?	🛛 Yes 🗆 No	
	Ecologist recommended during clearing?	🛛 Yes 🗆 No	
	Habitat features suitable for re-use was identified within the Zone 9 access track. Trees, logs and stumps with a DBH of greater than 25 cm, and one hollow-bearing trees (Arborist tree 977) were observed within Zone 9 access track. The hollow-bearing tree contained multiple hollows ranging from small (<50 mm) to medium (50 - 149mm). The hollow-bearing tree has the potential to provide nesting/roosting habitat for locally occurring fauna. Due to the presence of habitat trees for fauna, an ecologist would need to supervise clearing at this site. If any fauna is encountered during clearing, the BCSP Unexpected Finds Protocol and /or the Fauna Rescue and Release Procedure should be followed, and the Project Ecologist called.		
Weed mapping	The access track to Zone 9 was comprised of a combination of low, moderate and high-risk weeds as identified in the WMP. The open paddock areas were dominated by a variation of common exotic grasses such as Rhodes Grass, African Lovegrass, Paspalum and Pale Pigeon Grass. Other exotic species such as Purpletop, Spear Thistle, Fleabane, African Daisy, Dock, Lamb's tongues, Kikuyu and Fireweed were scattered throughout in varying densities. Minor occurrences of Moth Vine was also observed throughout the access track. A few individual high-risk weeds were observed within the Zone 9 access track, such as African Box Thorn and Lantana.		
Weed risk categories	Topsoil removal required: ⊠ Yes □ No Weed pre-treatment required: ⊠ Yes □ No The vegetation within the Zone 9 access track was mapped based on w the WMP in the BCSP, as well as the risk of spread of individual weed sp Table 6-1 and Table 6-2. Most of the vegetation in the Zone 9 access track with a moderate risk of spread due to the presence of Fireweed throug within this zone. The remaining vegetation was mapped as high risk with the presence of Lantana and African Boxthorn.	eed risk in accordance with becies in accordance with ck was mapped as high risk hout much of the vegetation ch a high risk of spread due to	

#### Table 5-17 Access track to Zone 9 pre-clearance assessment

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Site details	Assessment results		
	For the management of weeds and topsoil within the area, the access track to Zone 9 was mapped in accordance with the management practices outlined in Table 6-2.		
Pathogens	Pathogens: Phytophthora cinnamomi	🗆 Present 🛛 Absent	
	Detection method	⊠Visual inspection for dieback □ Sample analysis	
Photo - Access track to Zone 9	No photo available.		
Figure reference	Figure 5-16		







### <u>Legend</u>

Zone

### Habitat features for salvage

ifteen'th-/

- Logs
- Hollow-bearing tree
- Tree with DBH greater than 25cm Μ (Arborist data)
- Tree stump

#### Species requiring treatment

- Lycium ferocissimum African Boxthorn
- Olea europaea subsp. cuspidata -Áfrican Olive

#### Species requiring treatment

- Lantana camara Lantana *Lycium ferocissimum -* African Boxthorn
  - Rubus fruticosus sp. agg. Blackberry complex
- *Lycium ferocissimum -* African Boxthorn

Olea europaea subsp. cuspidata -African Olive

#### Weed risk

- High risk , High spread
- High risk , Moderate spread
- High risk, High spread (Individual weed record)

# Figure 5.16.2 Zone 9







Prepared for: KE, Prepared by: AM, Last edited by: hliswoyo Layout: 39130\_PreClearance\_F5.16.2\_BPZone9 Project: P:\39100s\39130\Mapping\39130\_R7\_USC\_Prop\_BP\_fig25to31.aprx



# 6. Weed management

### 6.1. Weed management requirements

The weed types identified in the BCSP *Weed and Pathogen Management Procedure*, along with their risk of spread is provided below in Table 6-1. The treatment and topsoil management for weeds based on their risk of spread are provided in Table 6-2.

#### Table 6-1 Management requirements

WMP Weed risk	Risk of spread	Example Species	Pre-treatment required	Topsoil management required
Low	Low	<ul> <li>Flaxleaf Fleabane</li> <li>Cobbler's Pegs</li> <li>Onion Grass</li> <li>Burr Medic</li> </ul>	No	No
Moderate	Moderate	<ul> <li>Grasses (i.e., Paspalum, Kikuyu, Parramatta Grass, Pale Pigeon Grass, Rhodes Grass)</li> <li>Sow Thistle</li> <li>Umbrella Sedge</li> <li>Privet</li> </ul>	No	Yes
High M	Moderate	<ul><li>Fireweed</li><li>Sticky Nightshade</li><li>Moth Vine</li></ul>	No	Yes
	High	<ul><li>Blackberry</li><li>African Boxthorn</li><li>African Olive</li></ul>	Pre-treatment is required for these species prior to removal. In cases of woody weeds	Yes



WMP Weed risk	Risk of spread	Example Species	Pre-treatment required	Topsoil management required
		<ul> <li>Common Prickly Pear</li> <li>Lantana</li> <li>Green Cestrum</li> <li>Bridal Creeper</li> <li>Asparagus Fern</li> </ul>	such as Lantana, the plants may be mechanically removed or trimmed without any pre-treatment, provided that any weed material is removed from site immediately (in a covered vehicle) and disposed of at an appropriate waste facility.	

### 6.2. Recommended treatment for weed species

The recommended treatment for relevant weed species is provided in Table 6-2

#### Table 6-2Recommended treatment for weed species

Risk of spread	Weed type	Treatment recommendation	Topsoil management
Low	All	Initial treatment	N/A



Risk of spread	Weed type	Treatment recommendation	Topsoil management
Moderate	Groundcover species (including vines)	<ul> <li>Slashing of large areas - followed by regular slashing (where appropriate) prior to flowering /seeding to control spread.</li> <li>Chemical treatment or de-seeding not required prior to clearing.</li> <li>Hand-removal of isolated vines such as Moth Vine.</li> <li>Follow-up treatment</li> <li>Spot weed control should be conducted on new growth to control seedling establishment following disturbance</li> </ul>	Vegetation and soil contaminated with moderate-risk weeds can be stockpiled and must be clearly identified as weed-contaminated. Stockpiles to be managed in accordance with the WMP and the Stockpile Management Plan. Stockpiles should be separated from retained native vegetation or native vegetation rehabilitation areas.
	Woody shrubs and small trees	<ul> <li>Initial treatment</li> <li>Slashing of seedlings - followed by regular slashing (where appropriate) prior to flowering /seeding to control spread.</li> <li>For established plants, removal with equipment is appropriate.</li> <li>Follow-up treatment</li> <li>Spot weed control should be conducted on new growth to control seedling establishment following disturbance</li> </ul>	<ul> <li>Soil contaminated with moderate risk weeds should not be reused in areas of native vegetation or rehabilitation areas.</li> </ul>


Risk of spread	Weed type	Treatment recommendation	Topsoil management
High	African Boxthorn	<ul> <li>Initial treatment</li> <li>Cut/paint, scrape/paint and apply "neat" 360 g/L glyphosate based herbicide to actively growing stems in areas of in areas of high regeneration potential (off-label permit: PER9907). Larger infestations can be chemically treated by the use of a using a Triclopyr 300 g/L + Picloram 100 g/L e.g., Grazon® DS based product at a dilution rate of 500 mL per 100 L of water.</li> <li>Follow-up treatment</li> <li>Hand remove seedlings/shooting nodes or spot spray with a 360 g/L glyphosate based herbicide at a diluted rate of 10 mL/L of water.</li> </ul>	Treat high-risk weeds prior to vegetation clearing as per the curren WMP. Topsoil within a 5 metre buffer area around the locations of these weeds must be clearly marked as contaminated and not re-used in a manner that would lead to the sprea of high risk weeds. Works may occur in this area in accordance with the WMP in the BCSP. All reproductive and contaminated material should be placed in bags, of on plastic, during weed removal, the
	African Olive	<ul> <li>Initial treatment</li> <li>Seedlings can be manually removed. Cut/paint, scrape/paint and apply "neat" 360 g/L glyphosate based herbicide to actively growing stems in areas of in areas of high regeneration potential (off-label permit: PER9907).</li> <li>Follow-up treatment</li> <li>Hand remove seedlings or spot spray with a 360 g/L glyphosate based herbicide at a diluted rate of 10 mL/L of water. Monitor for secondary weed incursions post removal of large monoculture infestations.</li> </ul>	<ul> <li>remove from site and disposed of at a licensed green waste disposal facility or landfill as soon as possible.</li> <li>Do not stockpile or reuse vegetation waste contaminated with high-risk woody weeds (for example do not mulch and re-use on site).</li> <li>Avoid stockpiling soil containing high or moderate risk weeds. If temporary stockpiling is required, the material should be stockpiled in an already contaminated area, separated from pativo vogstation waste and away.</li> </ul>
	Blackberry	<ul> <li>Initial treatment</li> <li>Dig out single plants (biomass to remain on site) or scape and paint using a "neat" 360 g/L glyphosate based herbicide (off-label permit: PER9907). Chemically treat</li> </ul>	native vegetation waste and away from any retained vegetation.



Risk of spread	Weed type	Treatment recommendation	Topsoil management
		<ul> <li>larger infestations using either a 360 g/L glyphosate based herbicide at a diluted rate of 10–13 mL per 1 L of water or a APVMA approved broad leaf selective herbicide applied at the registered rate. Slashing may be required to gain access and stimulate new growth.</li> <li><u>Follow-up treatment</u></li> <li>Hand remove seedlings or spot spray with a 360 g/L glyphosate based herbicide at a diluted rate of 10 mL/L of water.</li> </ul>	
	Bridal Creeper	<ul> <li>Initial treatment</li> <li>Hand remove in area of high regeneration potential ensure that all fruiting bodies and central rhizomes has been removed and disposed off site or chemically treat during peak growing season (August to September) using either a Metsulfuron-methyl 600 g/kg based herbicide at a diluted rate 10 g metsulfuron-methyl to 100 L water, or a 360 g/L glyphosate based herbicide at a diluted rate of 1 part glyphosate to 50 parts water. As per APVMA approved Off label permit PER9907. Introduction of a bio-control (rust) will assist in areas of heavy infestation.</li> <li>In areas where this species is intermingled with several moderate and low risk weeds, slashing is appropriate.</li> <li>Eollow-up treatment</li> <li>Hand remove seedlings or spot spray with a 360 g/L glyphosate based herbicide at a diluted rate of 10 mL/L of water. All seeds and biomass are to be disposed off site.</li> </ul>	



Risk of spread	Weed type	Treatment recommendation	Topsoil management
	Common Prickly Pear	<ul> <li>Initial treatment</li> <li>Foliar spray using Triclopyr 600 g/L based product at a dilution rate of 3.0 L in 100 L of water. The introduction of biological controls Cochineal and Cactoblastis are suggested for large infestations.</li> <li>Follow-up treatment</li> <li>Spot spray seedlings and or propagules.</li> </ul>	
	Giant Salvinia	<ul> <li>Initial treatment</li> <li>Manually remove small infestations. Permits to transport biomass off site will be required via NSW DPI. Acquisition of biological control agents will assist in control.</li> </ul>	
	Green Cestrum	<ul> <li>Initial Treatment</li> <li>Small specimens may be scraped and painted using a "neat" 360 g/L glyphosate based herbicide in areas of high regeneration potential. Larger stands chemically treat using a Triclopyr 300 g/L + Picloram 100 g/L based product Grazon® DS late spring to early autumn.</li> <li>Follow-up treatment</li> <li>Hand remove seedlings or spot spray with a 360 g/L glyphosate based herbicide at a diluted rate of 10 mL/L of water.</li> </ul>	
	Ground Asparagus	<ul> <li>Initial Treatment</li> <li>Hand remove in area of high regeneration potential ensure that all fruiting bodies and central rhizome has</li> </ul>	



Risk of spread	Weed type	Treatment recommendation	Topsoil management
		<ul> <li>been removed and disposed of offsite. Aerial tubers do not require removal and can act as a preventative measure against soil erosion.</li> <li>Large infestions to be chemically treated (spray) with a Metsulfuron-methyl 600 g/kg herbicide at a diluted rate of 1–2 g per 10 L of water plus a non-ionic surfactant. As per APVMA approved off label permit PER9907.</li> <li>Follow-up treatment</li> <li>Hand remove seedlings or spot spray with a 360 g/L glyphosate based herbicide at a diluted rate of 10 mL/L of water. All seeds and biomass are to be disposed offsite.</li> </ul>	
	Lantana	<ul> <li>Initial treatment</li> <li>Small or isolated infestations: Hand remove or Cut and paint stems with "neat" 360 g/L glyphosate based herbicide in areas of high regeneration potential.</li> <li>Large infestations: can be cleared/treated in a mosaic pattern to reduce impacts to wildlife and the incidence of mass germination of secondary weed species. Can be chemically treated (foliage spray) via the use of a 360 g/L glyphosate based herbicide at a diluted rate of 10 mL/L of water or a broadleaf selective herbicide such as a Metsulfuron-methyl 600 g/kg based herbicide.</li> <li>Follow-up treatment</li> <li>Hand remove seedlings/shooting nodes or spot spray with a 360 g/L glyphosate based herbicide at a diluted</li> </ul>	



# 7. Recommendations

Given there are requirements for the removal of weeds and habitat features from within the impact area, the focus of the recommendations is to provide advice on appropriate strategies to mitigate and avoid potential spread of any exotic material, and to minimise impacts on biodiversity values and native flora and fauna where possible. Based on the above findings and the nature of works required, the following recommendations have been developed.

### 7.1. Weed management

- Weeds should be treated in accordance with the measures outlined in Table 6-1 and their relevant biosecurity duty.
- It is recommended that the following steps be employed for works in moderate- and high-risk weed areas to further reduce the risk of spread:
  - All machinery and vehicles which have undertaken works and have potential to spread weeds or pathogens should take reasonable measures to wash down or otherwise clean soil and propagules from equipment prior to leaving site.
  - All personnel leaving the site should remove all weed material, including seeds, from their clothes, boots and equipment.
  - Weed material should either be left to mulch on site in situ or removed from site in a covered vehicle and disposed of at an appropriate weed-management facility.
  - Extra care should be taken when handling the weed species to not spread propagules (i.e., seed or fruit).
  - In areas intended for native vegetation restoration works, the reuse of topsoil should be avoided.
  - Stockpiling of weeds should be avoided in or near areas intended for native vegetation restoration works.

### 7.2. General recommendations

- Works are to progress strictly in accordance with the mitigation measures outlined in the BCSP (John Holland 2023).
- Fauna species found during works must be treated in accordance with the *Fauna Rescue and Release Procedure* outlined in the BCSP.
- All priority and environmental weeds (and associated green waste) recorded within the study area are to be treated in accordance with the BCSP *Weed and Pathogen Management Procedure*.



- Undertake salvage surveys immediately prior to clearing to ensure any individuals remaining present are relocated to a suitable recipient site, in accordance with the *Fauna Rescue and Release Procedure* outlined in the BCSP.
- Hollow-bearing trees are to be removed in accordance with BCSP.
- Hollow-bearing trees are to be soft felled in the presence of a qualified ecologist in accordance with *Vegetation Clearing Procedure* in the BCSP.
- Vegetation clearing within the study area is to be undertaken by accredited and experienced contractors or arborists (for tree removal) using cleaned and sterilised equipment to prevent the transmission of plant pathogens.
- All retained vegetation immediately adjacent to the proposed works construction footprint shall be protected in accordance with *Australian Standard AS4970 2009 Protection of trees on development sites* (Standards Australia 2009) during Project construction.
- Ensure that temporary erosion and sediment control measures are installed to dissipate water velocity, reduce sedimentation of receiving water bodies, and direct flow towards existing stormwater systems.
- If unexpected finds, i.e., threatened flora or fauna species are discovered during vegetation clearance, works must stop immediately in accordance with the *Unexpected Finds Protocol* for threatened flora and fauna in the BCSP and an ecologist contacted.
- Ensure all native vegetation including areas mapped as Threatened Ecological Communities (TECs) are clearly marked with appropriate "no-go" fencing in accordance with measure TB04 in the BCSP.
- Pre-clearance surveys will be required for the remaining impact area for the USC AWRC and pipelines project.

#### Section 1: Document Details

**Clearing Permit Number/s:** 37, 47, 50, 59, 62

Clearing Location (Chainage / Surveyed Location / GPS Coordinates): Brine Pipeline – Shooting Centre – Chainage 6400 - 7590

#### Clearing Dates: 10/01/2024, 8/02/2024, 17/02/2024, 21/03/2024, 01/04/2024

<b>Project:</b> Upper South Creek - Treated Water Pipeline / Brine Pipeline	<b>Document prepared by:</b> Carl Corden (AMBS Ecologist) (December 2024), Todd Horton (Botanist - Biosis Pty Ltd) (June 2024)
	<b>Survey undertaken by:</b> Carl Corden (AMBS Ecologist) (December 2024), Todd Horton (Botanist - Biosis Pty Ltd) (June 2024)

#### Description

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.

As the Project progresses with construction, clearing will be undertaken, typically within stages. All clearing activities will have a pre-clearance report, pre-clearance inspection and a post-clearance inspection undertaken in accordance with the Biodiversity Management Plan.

Section 2: Post Clearance Survey				
Area	Chainage	Area of clearing (ha)	Has there been any vegetation disturbance outside the clearing boundary?	Was there any fauna interaction during works (e.g., relocation, injury)?
Brine	6400 - 7590	See footnote	N	Ν

#### Section 1: Document Details

Clearing Permit Number/s: 9, 19, 72

Clearing Location (Chainage / Surveyed Location / GPS Coordinates): Treated Water Pipeline – BHL Property - Chainage 5050 - 5550

Clearing Dates: October 2023, May 2024

**Project:** Upper South Creek - Treated Water Pipeline / Brine Pipeline

**Document prepared by:** Todd Horton (Botanist -Biosis Pty Ltd) **Survey undertaken by:** Todd Horton (Botanist -

#### Description

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.

Biosis Pty Ltd)

As the Project progresses with construction, clearing will be undertaken, typically within stages. All clearing activities will have a pre-clearance report, pre-clearance inspection and a post-clearance inspection undertaken in accordance with the Biodiversity Management Plan.

Section 2: Post Clearance Survey				
Area	Chainage	Area of clearing (ha)	Has there been any vegetation disturbance outside the clearing boundary?	Was there any fauna interaction during works (e.g., relocation, injury)?
TW	5050 - 5550	See footnote	Ν	Ν

#### Section 1: Document Details

**Clearing Permit Number/s:** 45, 58, 63, 67

Clearing Location (Chainage / Surveyed Location / GPS Coordinates): Western Sydney Parklands – Chainage 7925 – 9475

Clearing Dates: January, March and April 2024		
<b>Project:</b> Upper South Creek - Treated Water Pipeline / Brine Pipeline	<b>Document prepared by:</b> Carl Corden (AMBS Ecologist) (December 2024), Todd Horton (Botanist - Biosis Pty Ltd) (June 2024)	
	Survey undertaken by: Carl Corden (AMBS Ecologist) (December 2024), Todd Horton (Botanist - Biosis Pty Ltd) (June 2024)	

#### Description

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.

As the Project progresses with construction, clearing will be undertaken, typically within stages. All clearing activities will have a pre-clearance report, pre-clearance inspection and a post-clearance inspection undertaken in accordance with the Biodiversity Management Plan.

Section 2: Post Clearance Survey				
Area	Chainage	Area of clearing (ha)	Has there been any vegetation disturbance outside the clearing boundary?	Was there any fauna interaction during works (e.g., relocation, injury)?
WSP	7925 - 9475	See footnote	Ν	Ν

#### Section 1: Document Details

#### Clearing Permit Number/s: 70

Clearing Location (Chainage / Surveyed Location / GPS Coordinates): Brine Pipeline – Lansdowne Reserve Chainage 24038

Clearing Dates: 24/04/2024, 29/04/2024, 28/05/2024

<b>Project:</b> Upper South Creek - Treated Water Pipeline / Brine Pipeline	<b>Document prepared by:</b> Carl Corden (AMBS Ecologist)
	Survey undertaken by: Carl Corden (AMBS Ecologist)

#### Description

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.

As the Project progresses with construction, clearing will be undertaken, typically within stages. All clearing activities will have a pre-clearance report, pre-clearance inspection and a post-clearance inspection undertaken in accordance with the Biodiversity Management Plan.

Section 2: Post Clearance Survey				
Area	Chainage	Area of clearing (ha)	Has there been any vegetation disturbance outside the clearing boundary?	Was there any fauna interaction during works (e.g., relocation, injury)?
Lansdow ne Reserve	24038	See footnote	Ν	Ν

#### Section 1: Document Details

Clearing Permit Number/s: 61, 65, 55, 18, 27

**Clearing Location (Chainage / Surveyed Location / GPS Coordinates):** Treated Water Pipeline – Park Road to Jerry's Creek - Chainage 12600 - 14475

Clearing Dates: 10/04/2023, 07/03/2024, 29/04/2024, 31/10/2024, 14/11/2023

<b>Project:</b> Upper South Creek - Treated Water Pipeline / Brine Pipeline	<b>Document prepared by:</b> Carl Corden (AMBS Ecologist) (December 2024), Todd Horton (Botanist - Biosis Pty Ltd) (June 2024)
	<b>Survey undertaken by:</b> Carl Corden (AMBS Ecologist) (December 2024), Todd Horton (Botanist - Biosis Pty Ltd) (June 2024)

#### Description

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.

As the Project progresses with construction, clearing will be undertaken, typically within stages. All clearing activities will have a pre-clearance report, pre-clearance inspection and a post-clearance inspection undertaken in accordance with the Biodiversity Management Plan.

Section 2:	Post Clearance			
Area	Chainage	Area of clearing (ha)	Has there been any vegetation disturbance outside the clearing boundary?	Was there any fauna interaction during works (e.g., relocation, injury)?
TW	12600 - 14475	See footnote	Ν	Ν



# Appendix C – Plans and Implementation

Plan	Revision Status	Implementation Notes
Construction Environmental Management Plan (CEMP)	Rev B Issue date: 05/08/2024	The CEMP has been implemented since the commencement of construction to ensure the USC project works complies with relevant legislation, EPBC 2020/8816 conditions, State Infrastructure Approval (SSI-8609189) and the EIS mitigation measures to minimise environmental risks through the implementation of the management measures documented in the plan. Over the reporting period, this has included the implementation of the monitoring and inspection program, reporting and closing any actions, incidents and/ or non-compliances, undertaking audits and reviewing plans to foster continuous improvement.
		Numerous construction ancillary facilities have been established to facilitate the project works along the pipeline corridor, including minor and/ or additional ancillary facilities, following the process detailed in the CEMP for the assessment and endorsement of these. During the reporting period, the majority of these compound sites were demobilised and restored, as the pipeline works in the vicinity were completed. Project works, particularly those within or near sensitive environments or considered high-risk activities, such as works near waterways and protected or native vegetation, have been assessed and planned using the approach documented in the CEMP. This has included the development of site and/ or activity specific Environmental Work Method Statements (EWMS) and Site Environmental Plans.
		Site inductions have been undertaken for all staff involved on the project, including the delivery of an environmental component. Additional training has been undertaken, including toolbox talks and activity specific training, such as vegetation clearing protocols and erosion and sediment control management and maintenance.
		Amendments to the CEMP in the reporting period included various administrative updates, including referencing MOD2, the EPBC 2020/8816 variation and relevant Environmental Protection Licence (EPL) provisions, updating figures and construction timeframes and a revision to the environment inspection checklist.
Biodiversity CEMP Sub Plan (BCSP)	Rev E Issue date: 22/10/2024	Mitigation and management measures detailed in the sub plan have been implemented since the commencement of construction to minimise the potential impacts to biodiversity as a result of the project. Clearing has been conducted within the conditional project clearing limits in accordance with the procedures detailed in the sub plan, including the clearing of mapped areas of protected matters. Offsets for biodiversity credits were obtained prior to the commencement of construction and this was provided to the Department.
		Pre-clearing inspections, surveys and reports have been undertaken and prepared prior to clearing commencing to ensure only vegetation approved for removal was cleared. This included the implementation of measures for the removal of habitat trees and features and identify areas of weed infestation. Native vegetation clearing has been minimised to the greatest extent practicable to reduce impacts on protected matters, Threatened Ecological Communities (TECs), threatened species and their habitat. During preclearing surveys, native vegetation or habitat features marked to be cleared were assessed for reuse opportunities. During the reporting period, salvaged logs were used in restoration works along various areas of the pipeline corridor as the trenching works were completed and along the South Creek riparian corridor bordering the AWRC.
		Pre-clearing inspections also assessed opportunities to retain vegetation within the project boundary. Numerous large mature trees and sections of the alignment with a high density of threatened species/ communities have been retained within the



Plan	Revision	Implementation Notes	
	Status		
		reporting period through design refinements and methodology changes. Where vegetation was retained, the Project GIS and SEPs were updated to reflect the change to the impact area and "tree protection zone" signage and exclusion fencing was erected during the works in accordance with the protocol included in the sub plan. Where these changes involved minor alignment changes outside the impact area (that did not extend beyond the impact assessment area), these were assessed via consistency assessments. No vegetation has been cleared or disturbed outside the impact assessment area, including to areas of retained vegetation, during the reporting period.	
		Rehabilitation Management Plans were developed in accordance with the provisions included in the BCSP and restoration works commenced and were largely completed along the pipeline alignments within the reporting period. This included for trenched creek crossings, Western Sydney Parklands and demobilised ancillary facilities. Weed management has been undertaken in accordance with the weed and pathogen management procedure included in the sub plan for areas disturbed by the project. Ongoing plant and weed maintenance during the pipeline restoration works have also been undertaken to ensure biodiversity values are enhanced.	
		Numerous fauna were encountered onsite during the works, however, this has not involved any threatened species, and any fauna were managed and relocated, in accordance with fauna rescue and release procedure included in the sub plan.	
		Site inductions have been undertaken for all staff involved on the project, including a biodiversity specific component detailing protected matters located within or near the project, conditional clearing limits and mitigation measures to be implemented. Specific training has also been undertaken for those included in any vegetation clearing works.	
		Amendments to the BCSP in the reporting period included minor amendments to included maps/ figures, updates to the sustainability/ ISC and EPL references and minor revision to Appendix F (Weed & Pathogen Management Procedure), along with general wording and administrative changes throughout.	
Heritage CEMP Sub Plan (HCSP)	Rev B Issue date: 18/08/2024	The management measures of the HCSP have been implemented to avoid, minimise or manage impacts to items and areas of Aboriginal, non-Aboriginal, World and National Heritage significance. The Aboriginal and non-Aboriginal investigation, archival recording and salvage programs required under the State Infrastructure Approval, EIS and documented in the HCSP have largely been completed within the reporting period and the excavation and heritage reports are being drafted in accordance with condition requirements.	
		The design has been refined in numerous locations to avoid or minimise impacts to heritage impacts, and no go zones have been designated within the project boundary to ensure areas are protected.	
		Works are managed to ensure there is no disturbance or adverse impact to heritage items outside the project boundary or retained heritage sites designated as protected no-go areas within the construction boundary, which are depicted on the project GIS and Sensitive Environment Plans. Clearance letters have been prepared for all heritage items/ areas approved for disturbance and the unexpected heritage finds and human remains procedure is implemented, as required.	



	Plan	Revision Status	Implementation Notes			
			Site inductions have been undertaken for all staff involved on the project, including a heritage specific component detailing areas of retained heritage significance on/ near the project and mitigation and control measures to be implemented. Specific training has also been undertaken for works in close proximity to areas of heritage significance, noting designated no-go zones.			
			Amendments to the HCSP in the reporting period included minor updates as part of the annual review, including to maps/ figures, along with general wording and administrative changes throughout.			
ĺ	Other Relevant Sub Plans (not required by Conditions)					
	Surface Water and Groundwater CEMP Sub Plan (SWGCSP)	Rev D Issue date: 07/01/2025	The management measures of the SWGCSP have been implemented to avoid, minimise or manage impacts to surface water and groundwater. Since the commencement of construction, vegetation clearing and earthworks have progressed within the construction footprint of the AWRC and active works areas of the pipeline alignments. Works along the pipeline alignment have been progressive and erosion and sediment (ERSED) controls have been installed around active work sites, supported by site- specific Erosion and Sediment Control Plans (ESCPs) developed in accordance with the ESC Procedure under the guidance of the Certified Professional in Erosion and Sediment Control (CPESC). Pipeline works have been actively managed to limit the duration of open excavations. Regular inspections of ERSED controls, including pre and post rainfall, have been undertaken over the reporting period to ensure installed controls are maintained and effective. Training has been undertaken with personnel involved in the management of water and sediment controls on site. As pipeline works are completed, areas have been progressively stabilised and rehabilitation works have commenced.			
			Trenched waterway crossings were undertaken during the reporting period at 3 locations along the treated water pipeline alignment, including at Oaky Creek, Cosgroves Creek and South Creek. Works were also undertaken at the Nepean River treated water release location. These works were managed with reference to site and activity specific EWMS and Progressive Erosion and Sediment Control Plan (PESCP) which were endorsed by the Project's CPESC, geomorphologist and aquatic ecologist. These plans were then provided to various agencies for consultation, including Fisheries, DPHI and relevant Councils. Works were well managed and during the reporting period, these works were completed and subject to stabilisation and restoration to improve ecological and hydraulic outcomes (eg South Creek location was previously heavily eroded and the flow was blocked to fish passage with an unapproved culvert, which was removed as part of the works and eroded sections were repaired, stabilised and restored).			
			Works at the AWRC have involved the ongoing use of the Onsite Detention Basin (OSD), which was converted into a High Efficiency Sediment (HES) basin. The discharge of construction water offsite (after ensuring compliance with discharge criteria specified within the Environment Protection Licence (EPL)) has been managed and monitored in accordance with the requirements of the SWGCSP. All construction water captured on the AWRC and along the pipelines has been managed through site controls and mitigation measures in the sub plan in accordance with the Dewatering Procedure, eg pumping to OSD basin, reuse of water for dust suppression or release offsite (after testing and confirmation EPL criteria are met). Numerous large concrete pours have been undertaken at the AWRC during the construction of various structures. These have been managed to ensure washout water is appropriately managed in accordance with mitigation measures in the sub plan.			
			Baseline and construction monitoring of waterways potentially impacted by the construction works has been undertaken over the reporting period, in accordance with the Surface Water Quality Monitoring Program (SWQMoP). Groundwater monitoring			



Plan	Revision	Implementation Notes
	Status	
		has also been undertaken at the AWRC in accordance with the Groundwater Quality Monitoring Program. Minimal groundwater has been encountered within excavations and trenches on the project.
		Amendments to the sub-plan within the reporting period constituted a minor change under the State Infrastructure Approval and included updates to maps/ figures, updates to the sustainability/ ISC, EPL and Water Access Licence (WAL) references and minor revision to the SWQMoP, along with general wording and administrative changes throughout.
Soil and contamination	Rev B Issue date:	The management measures of the SCCSP have been implemented since the commencement of construction to avoid, minimise or manage contamination and soil risk in accordance with the Project's legal, planning, and contractual requirements.
CEMP Sub plan (SCCSP)	19/05/2024	Remedial Action Plans (RAPs) have been prepared for both the AWRC site and pipelines during the reporting period. Detailed Site investigations (DSI) have been undertaken for the AWRC and pipelines for medium and high risk areas of environmental concern, in accordance with the Sampling and Analysis Quality Plan noted in the sub plan. The pipeline DSI was subject to further in-situ testing during the pipeline installation works and the results will be incorporated into the Site Validation Report. These additional plans have been reviewed and endorsed by the EPA accredited Site Auditor and interim audit advice records have been obtained for each.
		Asbestos finds along the pipeline during the reporting period were managed under the Unexpected Contamination Finds Procedure developed as part of the sub plan and assessed and disposed of offsite to licenced waste facilities. No ASS has been encountered and no other contamination, except buried asbestos in soil, has been unearthed. All contamination works for the project are managed by a site hygienist, in regular liaison with the Site Auditor, to ensure compliance with expected contamination management processes.
		Excess spoil from the pipelines has been relocated to the AWRC (after soil testing as part of the DSI program) and shaped into stockpiles for permanent placement, as assessed in the EIS.
		Records are maintained and the site hygienist is progressing with the development of the Site Validation Reports, which will document all imported soil classification records, including material imported from the pipelines to the AWRC and the waste classification records of all exported material disposed of to landfill. Where residual contamination is retained on-site, such as within the ACM encapsulation cell at the AWRC, the Site Validation Report will also be accompanied by a Long-term Environmental Management Plan (LTEMP).
		Amendments to the sub-plan within the reporting period constituted a minor change under the State Infrastructure Approval and included updates to maps/ figures, updates to the sustainability/ ISC references, along with general wording and administrative changes and corrections throughout.



# Appendix D – State Infrastructure Approval conditions (SSI 8609189) referenced in Conditions

State	Condition		Referred to	Additional Notes
Infrastructure			under	
Approval Condition No			2020/8816 Condition No	
C4	The following CEMP Su consultation with the rel- identified for each CEM information requested b must be provided to the any submission of the re- conics of all correspond	b-plans must be prepared in evant government agencies P Sub-plan. Details of all y an agency during consultation Planning Secretary as part of elevant CEMP Sub-plan, including	3, 6, 7	The CEMP and sub-plans have been implemented since construction commenced on Monday 28 August 2023. The CEMP and relevant sub plans were made available to the listed agencies during the consultation process undertaken prior to the approval of the plans. The CEMP and sub plans were approved by the DPHI Planning Secretary on 8 August 2023 and the CEMP and subplans (listed under condition 6) were approved by the Department on 23 August 2023
	required by Condition As	9.		b) were approved by the Department on 25 August 2025.
	Required CEMP Sub- plan	Relevant government agencies to be consulted for each CEMP Sub- plan		
	a) Surface water and groundwater	EPA, EHG, DPE Water, DPI Fisheries, WaterNSW and relevant council(s)		
	b) Flood emergency response	EHG, SES, relevant council(s)		
	c) Soils and contamination	EPA and relevant council(s)		
	d) Biodiversity	EHG, DPI Fisheries and relevant council(s)		
	e) Noise and vibration	EPA, WaterNSW and relevant council(s)		
	f) Traffic and transport g) Heritage (Aboriginal, non-Aboriginal, World and National heritage)	TfNSW and relevant council(s) Heritage NSW, EHG, WaterNSW and relevant council(s)		
	h) Air quality	EPA and relevant council(s)		
C5	The CEMP Sub-plans m (a) the environmental per the documents listed in (b) the mitigation measu- listed in Condition A1 wi	nust state how: erformance outcomes identified in Condition A1 will be achieved; ires identified in the documents Il be implemented;	3, 6	The CEMP Sub plans were developed to comply with all the listed requirements noted in the condition.



State Infrastructure Approval Condition No	Condition	Referred to under 2020/8816 Condition No	Additional Notes
- 00	<ul> <li>(c) the relevant terms of this approval will be complied with; and</li> <li>(d) issues requiring management during construction (including cumulative impacts), as identified through ongoing environmental risk analysis, will be managed through SMART (Specific, Measurable, Achievable, Realistic and Timely) principles.</li> </ul>	2.0	
	<ul> <li>The Biodiversity CEMP Sub-Plan must be prepared by a suitably qualified and experienced ecologist and include, but not limited to:</li> <li>(a) details of the measures to avoid and minimise disturbance to native vegetation, and other habitat of native flora and fauna species;</li> <li>(b) procedures for undertaking pre-clearance surveys for native fauna, including surveys by a suitably qualified and experienced ecologist to determine the presence of native fauna in the areas impacted by Stage 1 of the CSSI, and procedures and measures to manage their relocation;</li> <li>(c) measures to prevent the spread of weeds, pathogens and to manage biosecurity;</li> <li>(d) protocols for incidental finds of threatened species and ecological communities within the construction boundary;</li> <li>(e) proposed passive roost exclusion measures over the vertical shaft at the Warragamba environmental flows release structure, as committed to in the documents listed in Condition A1.</li> </ul>	3, 6	The Biodiversity CEMP Sub Plan (BCSP) addressed the requirements listed in the condition. This was verified when the sub plan was approved by DPHI on 8 August 2023 under the State Infrastructure Approval and by the Department on 23 August 2023. The BCSP has been implemented on the project since construction commenced. Note clause C9e was deleted from the State Infrastructure Approval, on approval of MOD1 (determined on 26 May 2023), which removed the 4.5km environmental flow pipeline from the project scope.
C11	Construction must not commence until the CEMP and all CEMP Sub-plans have been approved by the Planning Secretary.	3	Construction commenced on 28 August 2023, after approval of the CEMP and relevant sub plans by DPHI on 8 August 2023 under the State Infrastructure Approval and by the Department on 23 August 2023.



State Infrastructure Approval Condition No	Condition	Referred to under 2020/8816 Condition No	Additional Notes
C12	The CEMP and CEMP Sub-plans as approved, including any minor amendments approved by the ER, must be implemented for the duration of construction of Stage 1 of the CSSI.	3	The CEMP and sub plans were approved prior to construction and have been implemented since construction commenced. Minor amendments to the CEMP and various CEMP sub plans have been endorsed by the Independent ER (required under the State Infrastructure Approval), and where these included revisions to the plans detailed in Condition 6, they have also been provided to the Department (refer to Conditions 12 and 13).
			<ul> <li>Subplans that have been amended within the reporting period include:</li> <li>HCSP – Rev B, dated 18/09/24 – submitted on 8/10/24</li> <li>CEMP – Rev B, dated 05/08/24 – submitted on 24/10/24</li> <li>BCSP – Rev E, dated 22/10/24 – submitted on 04/11/24</li> <li>Flood and Emergency Response CEMP sub plan – Rev B, dated 27/02/24</li> <li>Air Quality CEMP Sub-Plan, Rev B, dated 19/08/24</li> <li>Waste and Resource Use CEMP Sub-Plan, Rev C, dated 18/08/24</li> <li>Noise and Vibration CEMP Sub-Plan, Rev D, dated 26/11/24</li> <li>Traffic and Transport CEMP Sub-Plan, Rev D, dated 29/11/24</li> </ul>
E12	The clearing of native vegetation must be minimised to the greatest extent practicable with the objective of reducing impacts to threatened ecological communities, threatened species and their habitat.	4	Clearing impacts were assessed within the EIS, however, the project has sought opportunities to reduce clearing, wherever possible. Where these involve minor alignment changes outside the impact area, but within the impact assessment area (not involving protected matters), these are assessed via consistency assessments. A summary of the extent of clearing for both the Infrastructure Approval and EPBC 2020/8826 conditional clearing limits is provided in Appendix A, along with the maps depicting locations of protected matters cleared within the reporting period. The clearing undertaken has not exceeded the clearing limits and generally represents the bulk of clearing required on the project (some minor additional minor



State Infrastructure Approval	Condition	Referred to under 2020/8816	Additional Notes
Condition No		Condition No	
			vegetation clearing may be required and if so, will be reported in subsequent compliance reports).
			Post clearing reports have been prepared to document the extent of clearing and extracts of these are included in Appendix B.
E13	Impacts to plant community types and species credit species must not exceed those identified in Table 5 and Table 6.	4	Clearing of various areas of protected matters, with reference to the maps included as Attachment A to the approval (as varied on 2/4/24), has occurred within the reporting period. Refer to Appendix A, which details maps of areas cleared, along with calculations of clearing volumes, including the conditional limits included in the Infrastructure Approval.
			Clearing of vegetation was managed to ensure no exceedance to clearance limits for plant community types and species detailed in the State Infrastructure Approval. Pre-clearing inspections and reports assessed clearing extents to ensure only vegetation approved for removal was cleared and there was no exceedance to clearing limits, along with the implementation of measures to clear of habitat trees and features. Post clearing reports have been prepared to document the extent of clearing and the calculation of actual areas and specimens cleared. Extracts of these are included in Appendix B.
E14	Prior to impacts on the biodiversity values of Stage 1 of the CSSI, the number and classes of ecosystem credits and species credits (like-for-like) as set out in Table 5 and Table 6, must be retired. The retirement of the credits must be carried out in accordance with the Biodiversity Conservation Act 2016, and can be achieved by: (a) acquiring and retiring "biodiversity credits" within the meaning of the BC Act; and / or (b) making a payment into the Biodiversity Conservation Fund of an amount equivalent to the class and number of ecosystem and species credits, as calculated by the Biodiversity Offsets Payment Calculator; and/or	4, 5	<ul> <li>Prior to impacts on biodiversity values, biodiversity credits were obtained. Evidence of this was provided to the Department on 4 July 2023 via email to the post approval email listed in the Approval, in accordance with Condition 5. The Biodiversity Credits for the project comprised: <ul> <li>Payment and confirmation of purchase and retirement of credits to the Biodiversity Conservation Fund (BCF), as evidenced by the provided statement dated 2/06/23, with reference no. BCF557; and</li> <li>Transfer and retirement of previously held biodiversity offsets, as evidenced by the provided correspondence from the DPE Biodiversity Offset Scheme Credits team issued 27/06/23, with</li> </ul> </li> </ul>

EPBC 2020/8816



State Infrastructure Approval Condition No	Condition	Referred to under 2020/8816 Condition No	Additional Notes
	(c) funding a biodiversity conservation action that benefits the entity impacted and is listed in the ancillary rules of the biodiversity offset scheme.		retirement case ID: 00041471/CRE/RET. This was also evidenced on the provided extract of the transactions register sourced from the BOS Public Register.
E15	Where evidence of compliance with the Ancillary rules: Reasonable steps to seek like-for-like biodiversity credits (OEH, 2017) for the purpose of applying the variation rules has been provided to the Planning Secretary, variation rules may be applied to retire the relevant ecosystem credits and species credits as set out in the BAM Biodiversity Credit Biodiversity Report (Variation). The variation rule does not apply to biodiversity credits for threatened species or threatened ecological communities that are listed as critically endangered under the Biodiversity Conservation Act 2016 or listed in any capacity under the Environment Protection and Biodiversity Conservation Act 1999. Note: "Impacted site" in the application of the like-for-like offset rules is taken to be the subject land described in the Biodiversity Development Assessment Report and Project Amendments: Biodiversity Assessment referred to in Condition A1. The subject land is the disturbance footprint subject to assessment under the Biodiversity	4, 5	Not relevant, ancillary and variation rules not pursued for the project.
E16	Evidence of the retirement of credits in satisfaction of Condition E14 must be provided to the Planning Secretary prior to impacts on biodiversity values.	4, 5	Evidence of the retirement of biodiversity credits was provided on 4 July 2023 to DPHI in accordance with the State Infrastructure Approval and the Department in accordance with condition 5.
E23	Stage 1 of the CSSI must maximise the reuse of native vegetation and other habitat features that have been approved for removal. Where reuse by the CSSI is not possible, relevant council(s), NSW National Parks & Wildlife Service, Western Sydney Parklands Trust, Greater Sydney Local Land Services, local Landcare	3	During preclearing surveys, native vegetation or habitat features that were marked for clearing were identified and opportunities for reuse were sought. This included the retention and stockpiling of logs, trunks and root balls for use during future rehabilitation works on the project.

EPBC 2020/8816



State	Condition	Referred to	Additional Notes
Infrastructure		under 2020/9946	
Condition No		Condition No	
	groups, DPI Fisheries and any additional relevant government agencies must be consulted prior to the removal of vegetation and other habitat to determine if: (a) hollows, tree trunks (greater than 25-30 centimetres in diameter and 2-3 metres in length), mulch, bush rock and root balls salvaged from native vegetation impacted by the CSSI; and (b) collected plant material, seeds and/or propagated plants from native vegetation impacted by the CSSI, could be used by others in habitat enhancement and rehabilitation activities, before pursuing other disposal options. If the native vegetation and other habitat features can be reused by others, the Proponent must advise them and facilitate access for salvage.		During the reporting period, salvaged logs were used in restoration works along various areas of the pipeline corridor as the trenching works were completed and along the South Creek riparian corridor bordering the AWRC.
E119	The Proponent must develop and implement an ongoing Water Quality Monitoring Program (WQMP) to assess the impacts of the AWRC effluent discharges on water quality. The WQMP must include: (a) monitoring of treated effluent from the AWRC under different release streams; (b) monitoring of waterways that may be impacted by AWRC discharges (including comparison with baseline and upstream conditions). Monitoring must include upstream and downstream ambient water quality monitoring of receiving waters that may be impacted by the proposed Warragamba River release outlet, consistent with the documents listed in Condition A1; (c) details of the sampling frequency, analysis, and locations used in the program; (d) reporting requirements for the program to the EPA, including consideration of any expanded Beachwatch monitoring program in the Hawkesbury Nepean catchment.	3, 8	This is a pre-operational requirement. The operational WQMP has been drafted to meet the obligations noted and also address requirements likely under a future operational EPL. Note – wording specific to the Environmental Flows pipeline component of works was removed, with the determination of MOD1, which removed the 4.5km environmental flow pipeline from the project scope.



State	Condition	Referred to	Additional Notes
Infrastructure		under	
Approval Condition No		2020/8816 Condition No	
E120	The WQMP required under Condition E119 must be	3	This is a pre-operation requirement.
	submitted to the EPA for review at least 18 months prior to the commencement of operation of Stage 1 of the CSSI, and must be approved by the EPA and submitted to the Diapping Secretary for information at least and		The operational WQMP noted above has been submitted to the EPA for consultation, to satisfy the timeframe provisions included in the condition.
	year prior to the commencement of operation of Stage 1 of the CSSI.		The report will then be revised and provided to both the DPHI Planning Secretary (12 months prior to operation) and the Department, in accordance with condition 8.
E132	The Proponent must prepare a World Heritage Monitoring Program (WHMP) to verify whether potential impacts on the Greater Blue Mountains Area World Heritage property and National Heritage place during Stage 1 of the CSSI are in accordance with impacts assessed in the documents listed in Condition A1. The WHMP must be prepared in consultation with EHG and submitted to the Planning Secretary and EHG for information prior to the commencement of operation of Stage 1 of the CSSI. The WHMP must include, but not necessarily limited to: (a) baseline and post-commissioning monitoring of representative attributes that: (i) contribute to the Outstanding Universal Value (OUV) of the Greater Blue Mountains Area; and (ii) are identified in the documents listed in Condition A1 as potentially impacted during Stage 1 of the CSSI; (b) relevant water quality monitoring data; and	3, 8	This is a pre-operation requirement – not yet triggered
E133	Within twelve months after the commencement of	3, 10	This is a post operation requirement – not yet triggered
	operation of Stage 1 of the CSSI, and every year thereafter, unless otherwise agreed by the Planning		

2024 - 2025 Annual Compliance Report EPBC 2020/8816

State Infrastructure Approval Condition No	Condition	Referred to under 2020/8816 Condition No	Additional Notes
	Secretary, the Proponent must prepare an annual World Heritage monitoring report. The World Heritage monitoring report must include, but not necessarily limited to: (a) analysis of results from the WHMP under Condition E132, including verifying whether potential impacts are as predicted in the documents listed in Condition A1; (b) mitigation measures proposed, where the WHMP under Condition E132 identifies an impact on the Blue Mountains World Heritage Property and National Heritage place, that is attributable to the project and exceeds the impacts described in the documents listed in Condition A1; (c) effectiveness of mitigation measures implemented, and any necessary additional mitigation measures; and (d) any corrective actions that may be required and/or have been employed. The World Heritage monitoring report must be provided to EHG for information within one month of completion of each annual report.		
E134	No Work within Blue Mountains National Park (part of the Greater Blue Mountains Area) is to occur as part of Stage 1 of the CSSI (such as for investigations, monitoring or temporary construction compounds), unless authorisation is granted by the NSW National Parks and Wildlife Service under the National Parks and Wildlife Act 1974 (NPW Act) or the National Parks and Wildlife Regulation 2019.	3	No work or investigations have been undertaken within the Blue Mountains National Park.
C-B1	Prior to the discharge of any primary treated wet weather discharges from the AWRC, the Proponent must provide evidence to the Planning Secretary and the EPA that all reasonable and feasible measures have been implemented to minimise stormwater infiltration into the	3	This is a pre-operation requirement (wet weather contingency) – not yet triggered

EPBC 2020/8816



State Infrastructure Approval Condition No	Condition	Referred to under 2020/8816 Condition No	Additional Notes
	AWRC sewer catchment. This evidence must include confirmation of sewer planning, design and construction and quality assurance measures to ensure low infiltration into the AWRC sewer catchment.		
C-B7	Five years after the commencement of operation of Stage 1 of the CSSI, the Proponent must submit to the Planning Secretary and the EPA for information, an updated projection for when any potential future Stage 2 upgrade of the AWRC will be required to manage more than 50 ML/day ADWF, including: (a) the nature and degree of future impacts on receiving waters from the AWRC until any potential future Stage 2 upgrade occurs; and (b) whether the discharges from the future scenario in Condition C-B7(a) are protective of or contribute toward the achievement of the objectives, trigger values and/or criteria for water quality outlined in Condition C-B4(c).	3	This is a post operation requirement – not yet triggered



# Appendix E – Copies of Correspondence Sent during Reporting Period

## **Cheryl Cahill**

From: Sent: To: Subject: **Attachments:**  **Gill Fowler** Friday, 3 May 2024 9:46 AM Cheryl Cahill FW: Reduced Impacts to MNES - 2020/8816 USC Project Revised\_Lansdown\_MNES impact.pdf; 2020-8816 Variation decision notice 20240402.pdf

From: Gill Fowler Sent: Wednesday, May 1, 2024 12:16 PM To: Richards, Anthony Cc: Broomhall, Sara ; Kris Bradley Subject: Reduced Impacts to MNES - 2020/8816 USC Project

### Hi Anthony,

This email is to notify DCCEEW that Sydney Water and its Delivery Partner have refined and reduced the impacts on MNES in Lansdowne Reserve (Figure 10 of the approval) for the Upper South Creek Project. This refinement has progressed in consultation with the Local Council.

We have reduced impacts on both Cumberland Shale Plains Woodland and Spike-Rice Flower Habitat as shown in the attached map.

We will be reducing our impact to and protecting an additional:

- 2540m<sup>2</sup> Spiked Rice Flower Habitat
- 2170m<sup>2</sup> Cumberland Shale Plains Woodland •

We have assessed compliance with conditions of the approval, and this includes condition 2, within the context of the impact of the Activity as a whole. Our interpretation is that this change is permitted, as the change remains within the impact assessment area, and we are not having a further impact on MNES outside the impact area. Rather we are reducing the impact of the Activity.

Therefore, we are not proposing to submit a request to vary the map, this email is to inform you of this positive outcome, which will be included in our compliance reporting.

Kind regards Gill

> **Gill Fowler** Environment & Sustainability Manager – Major Projects Asset Lifecycle Sydney Water, Level 10, 1 Smith Street, Parramatta NSW 2150



Phone: 8849 6414 gill.fowler@sydneywater.com.au



Impact area

Underbore

Cumberland Shale Plains Woodland (CEEC)





Spiked Rice-flower (Pimelea spicata) Habitat

### **OFFICIAL**



**OFFICIAL** 

## **Cheryl Cahill**

Cheryl Cahill
Tuesday, 14 May 2024 10:46 AM
EPBC Monitoring
Anthony.Richards@dcceew.gov.au; Nerisha Stanley
EPBC 2020-8816 Annual Compliance Report - Upper South Creek Project
Compliance report USC EPBC2020_8816_final_consolidated_signed.pdf

Good morning,

Please find attached a copy of the Annual Compliance report developed for the Upper South Creek Upper South Creek Advanced Water Recycling Centre and Pipelines Project (EPBC 2020-8816) for the reporting period: 17 February 2023-17 February 2024.

This report has also been uploaded to the project website, <u>https://www.sydneywatertalk.com.au/uppersouthcreek</u> and can be viewed under the document page, sourced here: <u>https://www.sydneywatertalk.com.au/uppersouthcreek/widgets/322594/documents</u>

Please advise if you have any queries regarding this submission.

Thanks and regards, Cheryl

**Cheryl Cahill** Environment Lead Major Projects

Mobile 0456 666 573 cheryl.cahill@sydneywater.com.au Level 10, 1 Smith Street Parramatta NSW 2150

I work Monday, Tuesday, Thursday and Friday

Sydney M/**AT**Z

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# **Cheryl Cahill**

From:	Cheryl Cahill
Sent:	Thursday, 24 October 2024 5:04 PM
То:	James NEWMAN; Post Approval
Cc:	Nerisha Stanley
Subject:	EPBC 2020/ 8816 - USC minor amendment to CEMP - in accordance with conditions 12 and 13
Attachments:	241020_L_CEMP_Rev B_ER Approval.pdf; A8 USC JH Environmental Inspection Checklist 15082024_Rev B_Track changes.docx; USCP-JHG-MPL-ENV-0008 Upper South Creek CEMP (Rev B)_TC.docx

Hello,

Since the approval of the Project Construction Environment Management Plan (CEMP), minor amendments have been made to the plan. Revision B includes minor administrative changes and corrections undertaken as part of the regular document review process.

Please refer to the attached letter, along with the tracked change word versions of the CEMP, noting the extent of the revisions. These have been endorsed an minor, administrative changes by the DPHI approved environmental representative (letter attached for reference). Due to the size of the plans, the tracked and clean/ consolidated versions have also been uploaded to the provided project folder on the Sigbox platform.

Please let me know if you wish to discuss the matter further via the contact details noted below.

Thanks and regards, Cheryl

**Cheryl Cahill** Environment Lead Major Projects

Mobile 0456 666 573 cheryl.cahill@sydneywater.com.au Level 7, 1 Smith Street Parramatta NSW 2150

I work Monday, Tuesday, Thursday and Friday







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Department of Climate Change, Energy, the Environment and Water GPO Box 3090 Canberra ACT 2601 (sent via email to <u>PostApproval@dcceew.gov.au</u>, CC: James Newman)

Attn: James Newman

24 October 2024

Dear Mr Newman,

# Upper South Creek Advanced Water Recycling Centre (EPBC ref 2020/ 8816): Revision to the Construction Environment Management Plan (CEMP), Revision B

In accordance with Conditions 6, 7 and 8 of the EPBC 2020/8816 approval, a CEMP is to be developed, approved and implemented for the duration of the project works. Approval of this plan was received by DCCEEW on 23/08/2023.

Since the approval of the CEMP, minor amendments have been made to the subplan. Revision B involves several minor amendments/ updates, these include to:

- Section 1.1 to include reference to MOD2 and reference to the Commonwealth variation
- Table 1a and 1b noting updates to construction timeframes
- Figures 1-1, 1-2 and 1-3 updates to figures
- Section 1.4.3 updates to reflect ER endorsement process for ancillary facilities
- Table 1-4 updates to reflect actual locations of ancillary facilities, along with corresponding Figures 1-4a and b
- Addition of specific EPL and MOD references, in Sections 1.7 and 3.2.2.2
- Added EPBC audit item to Table 3-3 and added details on Commonwealth annual compliance reporting requirements to Section 3.9.4.1
- General administrative updates throughout
- Environmental Risk Assessment in Appendix A4 updated, noting that new content is included in red text and strikethrough indicates text proposed to be deleted.
- Minor update to the A8 environmental inspection checklist to include light spill impacts.

Conditions 12 and 13 states that have if an action management plan, such as the CEMP, has been revised and it is not expected to result in any new or increased impact, then it can be prepared without submitting it for Minister approval. In accordance with Condition 13a, several requirements are also required to be provided if this option is pursued, including:

i) Provision of electronic copy – Clean and consolidated pdf has been included in email and uploaded to sigbox platform



- ii) Provision of tracked changes copy Electronic copy of the CEMP noting tracked changes is also included in the email and uploaded to sigbox platform
- iii) The amendments to the CEMP are summarised above and are minor and administrative in nature. The changes were made as part of the document revision process.
- iv) The minor amendments to the CEMP Revision B are not considered significant and the change was endorsed and approved by the DPHI approved Environment Representative (ER), attached for information.
- v) The approval holder will implement the revised CEMP at least 20 business days from providing this notice, therefore implementation will commence from Thursday 21/11/24.

In accordance with condition 13c, the revised CEMP will also be referenced in the next compliance report.

Should you have any queries in relation to this submission, please contact me on either 0456 666 573 or <u>Cheryl.Cahill@sydneywater.com.au</u>.

Yours sincerely,

( (ahill

Cheryl Cahill Environment Lead – Major Projects Upper South Creek Advanced Water Recycling Centre Project

**Sydney Water** 



20 October 2024

BBEnviro Pty Ltd ABN: 73 654 592 711

26 Purcell Street, Elderslie, NSW 2570

ben.bracken@bbenviro.com.au

+61 410 409 897

Cheryl Cahill Sydney Water Major Projects - Environment Lead Sydney Water Level 11, 1 Smith Street Parramatta NSW 2150

By Email: cheryl.cahill@sydneywater.com.au

Dear Cheryl,

# Subject: Environmental Representative (ER) review and approval – Revised Construction Environmental Management Plan (CEMP), Revision B

#### SSI-8609189 – Upper South Creek Advanced Water Recycling Centre

Pursuant to SSI-8609189 Condition A28(j), I have reviewed the revised Construction Environmental Management Plan (CEMP) which has been updated to include the following:

- Updated Project layout map / figures
- Inclusion of Modification 2 details
- Addition of specific EPL references
- Update to the construction timeframes
- Updates to the environmental risk register (Appendix A4)
- Other minor updates associated with general administrative changes, the EPBC audit item in Table 3 3, and the environmental inspection checklist (Appendix A8).

Complete details of the reviewed document as follows:

 Upper South Creek Advanced Water Recycling Centre and Pipelines – Construction Environmental Management Plan Document No: USCP-JHG-MPL-ENV-0008, Revision B, dated 05/08/2024.

As the approved Environmental Representative (ER) for the Upper South Creek Advanced Recycling Centre Project, I am satisfied the amendments are administrative in nature and are consistent with the terms of the Project Approval (SSI-8609189) and the CEMP, CEMP Sub-plans and monitoring programs approved by the Planning Secretary. I therefore approve the minor amendments to the above listed documentation.

Please feel free to contact me if you require anything further or would like to discuss.

Yours sincerely,

2

Ben Bracken

Environmental Representative Upper South Creek Advanced Water Recycling Centre Project BBEnviro Pty Ltd

Phone: 0410 409 897 Email: ben.bracken@bbenviro.com.au

## **Cheryl Cahill**

From:	Cheryl Cahill	
Sent:	Tuesday, 8 October 2024 6:22 PM	
То:	Post Approval	
Cc:	Anthony.Richards@dcceew.gov.au; Nerisha Stanley	
Subject:	EPBC 2020/ 8816 - USC minor amendment to HCSP - in accordance with conditions 12 and 13	
Attachments:	240920_L_HCSP_Rev B_ER Approval.pdf; USC Heritage CEMP Sub-plan (Rev B)_clean.docx; USC Heritage CEMP Sub-plan (Rev B)_track changes.docx; SWC letter to DCCEEW amendment to HCSP 081024_signed.pdf	

Hello,

Since the approval of the HCSP, minor amendments have been made to the subplan. Revision B includes minor administrative changes and corrections undertaken as part of the regular document review process.

Please refer to the attached letter, along with the clean and tracked change word versions of the HCSP, noting the extent of the revisions.

Due to the size of the plan, the redacted consolidated version of the HCSP cannot be emailed, but is available from this <u>link</u> from our project website, <u>https://www.sydneywatertalk.com.au/uppersouthcreek</u>. Note, the redacted appendices have not changed since the approval of the HCSP.

Please let me know if you wish to discuss the matter further on the contact details noted below.

Thanks and regards, Cheryl

**Cheryl Cahill** Environment and Sustainability Manager (Acting) Major Projects

Mobile 0456 666 573 cheryl.cahill@sydneywater.com.au Level 10, 1 Smith Street Parramatta NSW 2150

I work Monday, Tuesday, Thursday and Friday

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Department of Climate Change, Energy, the Environment and Water GPO Box 3090 Canberra ACT 2601 (sent via email to <u>PostApproval@dcceew.gov.au</u>, CC: Anthony Richards)

Attn: Anthony Richards

8 October 2024

Dear Mr Richards,

# Upper South Creek Advanced Water Recycling Centre (EPBC ref 2020/ 8816): Revision to the Heritage CEMP Sub-Plan (HCSP), Revision B

In accordance with Conditions 6, 7 and 8 of the EPBC 2020/8816 approval, a HCSP is to be developed, approved and implemented for the duration of the project works. Approval of this plan was received by DCCEEW on 23/08/2023.

Since the approval of the HCSP, minor amendments have been made to the subplan. Revision B involves several minor amendments/ updates, including:

- Added references to MOD-1 and MOD-2 and the EPL, particularly in Section 2.1.
- Update to Figures 2-1a, 2-1b and 2-2.
- Minor wording updates to Section 5.2.
- Minor amendment to Appendix C wording
- General administrative updates/ corrections throughout.

Conditions 12 and 13 states that have if an action management plan, such as the HCSP, has been revised and it is not expected to result in any new or increased impact, then it can be prepared without submitting it for Minister approval. In accordance with Condition 13a, several requirements are also required to be provided if this option is pursued, including:

i) Provision of electronic copy – A link to the clean and consolidated pdf has been included <u>here</u> and in the email (can not be emailed due to file size). Note the HCSP version included in the link has been redacted, however, these appendices have not changed since the HCSP was approved by the Department

ii) Provision of tracked changes copy – Electronic copy of the HCSP noting tracked changes is also included in the email

iii) The amendments to the HCSP are summarised above and are minor and administrative in nature. The changes were made as part of the regular document revision process.



iv) The minor amendments to the HCSP Revision B are not considered significant and the change was endorsed and approved by the DPHI approved Environment Representative (ER), attached for information and included in the linked version of the document above.

v) The approval holder will implement the revised BCSP at least 20 business days from providing this notice, therefore implementation will commence from Wednesday 6/11/2024.

Should you have any queries in relation to this submission, please contact me on either 0456 666 573 or <u>Cheryl.Cahill@sydneywater.com.au</u>.

Yours sincerely,

(CaniM

Cheryl Cahill

Environment Lead – Major Projects Upper South Creek Advanced Water Recycling Centre Project

**Sydney Water** 



20 September 2024

BBEnviro Pty Ltd ABN: 73 654 592 711

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+61 410 409 897

Cheryl Cahill Sydney Water Major Projects - Environment Lead Sydney Water Level 11, 1 Smith Street Parramatta NSW 2150

By Email: cheryl.cahill@sydneywater.com.au

Dear Cheryl,

# Subject: Environmental Representative (ER) review and approval – Revised Heritage CEMP Sub-plan, Revision B

#### SSI-8609189 – Upper South Creek Advanced Water Recycling Centre

Pursuant to SSI-8609189 Condition A28(j), I have reviewed the updated Heritage Construction Environmental Management Plan (CEMP) Sub-plan (HCSP) which has been updated to include the most recent layout map, inclusion of Modification 2 and a minor change to the unexpected finds procedure (Appendix C).

Complete details of the reviewed document as follows:

• Upper South Creek Advanced Water Recycling Centre and Pipelines – Heritage CEMP Sub-plan Document No: USCP-JHG-MPL-ENV-0006, Revision B, dated 18/08/2024.

As the approved Environmental Representative (ER) for the Upper South Creek Advanced Recycling Centre Project, I am satisfied the amendments are administrative in nature and are consistent with the terms of the Project Approval (SSI-8609189) and the CEMP, CEMP Sub-plans and monitoring programs approved by the Planning Secretary. I therefore approve the minor amendments to the above listed documentation.

Please feel free to contact me if you require anything further or would like to discuss.

Yours sincerely,

Ben Bracken Environmental Representative Upper South Creek Advanced Water Recycling Centre Project BBEnviro Pty Ltd

Phone: 0410 409 897 Email: ben.bracken@bbenviro.com.au

### **Cheryl Cahill**

From:	Cheryl Cahill
Sent:	Monday, 4 November 2024 12:52 PM
То:	Post Approval; James NEWMAN; Harneet PUARR
Cc:	Nerisha Stanley
Subject:	EPBC 2020/ 8816 - USC minor amendment to BSCP - in accordance with conditions
	12 and 13
Attachments:	241031_L_USC_BCEMP_Rev E_ER Approval.pdf; DCCEEW amendment to BCSP_
	20241104_signed.pdf; BCSP Appendix F - Weed and Pathogen Management Plan
	(RevD)_Track Changes.docx; USCP-JHG-MPL-ENV-0004 Biodiversity CEMP Sub-plan
	(Rev E)_Tracked Changes.docx

Hello,

Since the approval of the Project Biodiversity CEMP Sub Plan (BCSP), minor amendments have been made to the plan. Revision E includes minor administrative changes and corrections undertaken as part of the regular document review process.

Please refer to the attached letter, along with the tracked change word versions of the BCSP, noting the extent of the revisions. These have been endorsed as minor, administrative changes by the DPHI approved environmental representative (letter attached for reference), and are submitted to DCCEEW for information in accordance with conditions 12 and 13. Due to the size of the plans, the tracked and clean/ consolidated versions have also been uploaded to the provided project folder on the Sigbox platform.

Please let me know if you wish to discuss the matter further via the contact details noted below.

Thanks and regards, Cheryl

**Cheryl Cahill** Environment Lead Major Projects

Mobile 0456 666 573 cheryl.cahill@sydneywater.com.au Level 7, 1 Smith Street Parramatta NSW 2150

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Department of Climate Change, Energy, the Environment and Water GPO Box 3090 Canberra ACT 2601 (sent via email to <u>PostApproval@dcceew.gov.au</u>, CC: James Newman/ Harneet Puarr)

Attn: James Newman/ Harneet Puarr

4<sup>th</sup> November 2024

To whom it may concern,

# Upper South Creek Advanced Water Recycling Centre (EPBC ref 2020/ 8816): Revision to the Biodiversity CEMP Sub-Plan (BCSP), Revision E

In accordance with Conditions 6, 7 and 8 of the EPBC 2020/8816 approval, a Biodiversity CEMP Sub-Plan (BCSP) is to be developed, approved and implemented for the duration of the project works. Approval of this plan was received by DCCEEW on 23/08/2023.

Since the approval of the BCSP, minor amendments have been made to the subplan. Revision E involves minor amendments to included maps/ figures, Sections 7.3 and 8.5.1, updates to sustainability/ ISC and Environmental Protection Licence (EPL) references and minor revision to Appendix F (Weed & Pathogen Management Procedure), along with general wording and administrative changes throughout. These are depicted in the tracked change versions provided.

Conditions 12 and 13 states that have if an action management plan, such as the BCSP, has been revised and it is not expected to result in any new or increased impact, then it can be prepared without submitting it for Minister approval. In accordance with Condition 13a, several requirements are also required to be provided if this option is pursued, including:

i) Clean and consolidated pdf has been uploaded to the SigBox platform (due to file size)

ii) Tracked changes version of the BCSP (including amended Appendix F) also included in the email

 iii) The minor amendments update maps/ figures, Section 7.3 includes updates to direct/ indirect and temporary/ permanent ecological impacts, Section 8.5.1 amends wording regarding the Consideration of climate change in rehabilitation. References to sustainability/ ISC and Environmental Protection Licence (EPL) have been updated throughout, along with minor wording and administrative amendments. Minor changes to Appendix F (Weed & Pathogen Management Procedure), including mitigation measure B11-F (herbicide use adjacent to waterways) and including *Solanum sisymbriifolium* (Sticky Nightshade) into Table 5.



iv) The minor amendments to the BCSP Revision E are not considered significant and the change was endorsed and approved by the NSW DPHI approved Environment Representative (ER), attached for information.

v) The approval holder will implement the revised BCSP at least 20 business days from providing this notice, therefore implementation will commence from Monday 2/12/24.

Should you have any queries in relation to this submission, please contact me on either 0456 666 573 or <u>Cheryl.Cahill@sydneywater.com.au</u>.

Yours sincerely,

( (ahill

**Cheryl Cahill** 

Environment Lead – Major Projects Upper South Creek Advanced Water Recycling Centre Project

Sydney Water

31 October 2024



Cheryl Cahill Sydney Water Major Projects - Environment Lead Sydney Water Level 11, 1 Smith Street Parramatta NSW 2150

By Email: cheryl.cahill@sydneywater.com.au

BBEnviro Pty Ltd ABN: 73 654 592 711

26 Purcell Street, Elderslie, NSW 2570

+61 410 409 897 ben.bracken@bbenviro.com.au

Dear Cheryl,

Subject: Environmental Representative (ER) review and approval – Revised Biodiversity CEMP with minor updates to Weed and Pathogen Management Procedure (Appendix F)

#### SSI-8609189 – Upper South Creek Advanced Water Recycling Centre

Pursuant to SSI-8609189 Condition A28(j), I have reviewed the updated Biodiversity Construction Environmental Management Plan (CEMP) Sub-plan (BCSP) which has been reviewed and updated to reflect sustainability ISC updates, references to the EPL and modifications, updated maps and lastly, changes to the Weed and Pathogen Management Plan (Appendix F) which now permits use of herbicides within 40m of a waterway following approval by the Project's aquatic ecologist and as per herbicide manufacturer specifications/guidelines.

Complete details of the reviewed documents as follows:

• Upper South Creek Advanced Water Recycling Centre and Pipelines Biodiversity CEMP Sub-plan Document No: USCP-JHG-MPL-ENV-0004. Revision: E, dated 22/10/2024.

As the approved Environmental Representative (ER) for the Upper South Creek Advanced Recycling Centre Project, I am satisfied the amendments do not increase impacts to nearby sensitive land uses, comprise documentation update and administrative changes, and are consistent with the terms of the Project Approval (SSI-8609189) and the CEMP, CEMP Sub-plans and monitoring programs approved by the Planning Secretary. I therefore approve the minor amendments to the above listed documentation.

Please feel free to contact me if you require anything further or would like to discuss.

Yours sincerely,

Ben Bracken Environmental Representative Upper South Creek Advanced Water Recycling Centre Project BBEnviro Pty Ltd Phone: 0410 409 897 Email: ben.bracken@bbenviro.com.au

## **Cheryl Cahill**

From:	Cheryl Cahill
Sent:	Friday, 8 November 2024 5:46 PM
То:	Harneet PUARR
Cc:	Nerisha Stanley
Subject:	RE: [External] RE: EPBC 2020/ 8816 - USC minor amendment to BSCP - in
	accordance with conditions 12 and 13 [SEC=OFFICIAL]
Attachments:	2020-8816-Approval-Letter-SIGNED.pdf

Hi Harnett,

In accordance with the Upper South Creek project approval, the CEMP and the Heritage and Biodiversity subplans are the only construction plans that require approval by DCCEEW. Approval for these was received on 23/08/24, prior to the commencement of construction (letter attached).

However, as detailed in the CEMP in Section 1.9, there are numerous sub-plans that were required to be developed, as depicted below:



Since the commencement of construction, the CEMP and the Biodiversity and Heritage sub-plans have only undergone minor amendments and these have been submitted to DCCEEW in accordance with condition 12 and 13. Under these clauses, the revised plans do not require Minister approval and are provided for information.

As we progress with construction, there will be several additional pre-operational and operational plans that will be submitted to DCCEEW. However, operation is not expected til Sept 2026, so these are still some way off.

Happy to discuss further or provide additional clarification, as needed.

Thanks and regards, Cheryl To: Cheryl Cahill <CHERYL.CAHILL@sydneywater.com.au> Cc: Nerisha Stanley <NERISHA.STANLEY@sydneywater.com.au> Subject: [External] RE: EPBC 2020/ 8816 - USC minor amendment to BSCP - in accordance with conditions 12 and 13 [SEC=OFFICIAL]

**CAUTION:** This email originated from outside the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.

#### [SEC=OFFICIAL]

Hi Cheryl,

In addition to Nola's email below, could you please send through a table listing the submission of the CEMP and sub plans and to include the name of the plans.

I wanted to know how many plans there are altogether.

Kind Regards,

#### Harneet Puarr Senior Assessment Officer

Nature Positive Regulation Division | Environment Assessments (Vic, Tas) and Post Approvals Branch | Post Approvals Section Ngunnawal Country, John Gorton Building, Parkes ACT 2600 Department of Climate Change, Energy, the Environment and Water E harneet.puarr@dcceew.gov.au

#### DCCEEW.gov.au ABN 63 573 932 849



Acknowledgement of Country

Our department recognises the First Peoples of this nation and their ongoing connection to culture and country. We acknowledge Aboriginal and Torres Strait Islander Peoples as the Traditional Owners, Custodians and Lore Keepers of the world's oldest living culture and pay respects to their Elders past, present and emerging.

From: Post Approval <<u>PostApproval@dcceew.gov.au</u>>
Sent: Tuesday, November 5, 2024 8:21 PM
To: Cheryl Cahill <<u>CHERYL.CAHILL@sydneywater.com.au</u>>; Post Approval <<u>PostApproval@dcceew.gov.au</u>>; James
NEWMAN <<u>James.Newman@dcceew.gov.au</u>>; Harneet PUARR <<u>Harneet.Puarr@dcceew.gov.au</u>>;
Cc: Nerisha Stanley <<u>NERISHA.STANLEY@sydneywater.com.au</u>>; Tony RICHARDS <<u>Tony.Richards@dcceew.gov.au</u>>
Subject: RE: EPBC 2020/ 8816 - USC minor amendment to BSCP - in accordance with conditions 12 and 13
[SEC=OFFICIAL]

[SEC=OFFICIAL]

Thank you for your email regarding EPBC approval 2020/ 8816. The revised plan notification has been received and will be considered by the NSW Post Approvals team.

Kind regards

#### Nola Sloan Assistant Director

Nature Positive Regulation Division | Environmental Assessments (VIC TAS) and Post Approvals Branch

Ngunnawal Country, John Gorton Building, King Edward Terrace, Parkes ACT 2600 Australia Department of Climate Change, Energy, the Environment and Water **E** nola.sloan@dcceew.gov.au

DCCEEW.gov.au ABN 63 573 932 849

From: Cheryl Cahill <<u>CHERYL.CAHILL@sydneywater.com.au</u>>
Sent: Monday, 4 November 2024 12:52 PM
To: Post Approval <<u>PostApproval@dcceew.gov.au</u>>; James NEWMAN <<u>James.Newman@dcceew.gov.au</u>>; Harneet
PUARR <<u>Harneet.Puarr@dcceew.gov.au</u>>; Cc: Nerisha Stanley <<u>NERISHA.STANLEY@sydneywater.com.au</u>>
Subject: EPBC 2020/ 8816 - USC minor amendment to BSCP - in accordance with conditions 12 and 13

Hello,

Since the approval of the Project Biodiversity CEMP Sub Plan (BCSP), minor amendments have been made to the plan. Revision E includes minor administrative changes and corrections undertaken as part of the regular document review process.

Please refer to the attached letter, along with the tracked change word versions of the BCSP, noting the extent of the revisions. These have been endorsed as minor, administrative changes by the DPHI approved environmental representative (letter attached for reference), and are submitted to DCCEEW for information in accordance with conditions 12 and 13. Due to the size of the plans, the tracked and clean/ consolidated versions have also been uploaded to the provided project folder on the Sigbox platform.

Please let me know if you wish to discuss the matter further via the contact details noted below.

Thanks and regards, Cheryl

**Cheryl Cahill** Environment Lead Major Projects

Mobile 0456 666 573 cheryl.cahill@sydneywater.com.au Level 7, 1 Smith Street Parramatta NSW 2150

I work Monday, Tuesday, Thursday and Friday







sydney water respectfully acknowledges the trac of the land and waters on which we work, live and respect to Elders past and primit.



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[SEC=OFFICIAL]

### **OFFICIAL**



EPBC ref: 2020/8816

Ms Cheryl Cahill Environmental Lead Major Projects Sydney Water <u>cheryl.cahill@sydneywater.com.au</u>

# Approval of Construction Environmental Management Plan, Biodiversity Sub-plan and Heritage Sub-plan

Dear Ms Cahill

Thank you for your email dated 10 May 2023, and revised plans provided 3 August 2023 to the Department of Climate Change, Energy, the Environment and Water, seeking approval of the following plans, in accordance with condition 7 of the above project under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act):

- a) Upper South Creek Advanced Water Recycling Centre and Pipelines, Construction Environmental Management Plan, Revision 6 dated 18 April 2023.
- b) Upper South Creek Advanced Water Recycling Centre and Pipelines, Biodiversity CEMP Subplan, Revision 12 dated 27 July 2023.
- c) Upper South Creek Advanced Water Recycling Centre and Pipelines, Heritage CEMP Subplan (Aboriginal, Non-Aboriginal, World and National Heritage), Revision 6 dated 3 May 2023.

Officers of the department have advised me on the plans and the requirements of the conditions of the approval for this project. In making my decision, I have also considered the following plans for adequacy to support the approval of Construction Environmental Management Plan:

- a) Upper South Creek Advanced Water Recycling Centre and Pipelines Soils and Contamination CEMP Sub-Plan, Revision 10, Dated 2 August 2023.
- b) Upper South Creek Advanced Water Recycling Centre and Pipelines Surface and Groundwater CEMP Subplan Revision 10, dated 2 August 2023.

I also note the advice from Sydney Water that excavated material from the Advanced Water Recycling Site will not be re-used along the pipeline route, particularly where protected matters may be present.

On this basis, and as a delegate of the Minister for the Environment and Water (the Minister), I have decided to approve the Construction Environmental Management Plan, Biodiversity CEMP Sub-plan and Heritage CEMP Sub-plan, which must now be implemented.

### **OFFICIAL**

Condition 8 of the EPBC Act approval requires a Water Quality Monitoring Program and World Heritage Monitoring Program to be approved by the Minister prior to commencement of operation. I encourage Sydney Water to engage the department early to discuss the assessment of these plans and schedule timing for commencement of operations accordingly. Should these plans require specialised internal advice, the department will require adequate time to seek and consider this advice and assess the plans. This is a different process to the timelines and approval process under state legislation.

Approval condition 12 for this project allows you (under certain circumstances) to implement revised plans without seeking approval from the Minister. If you require any advice on whether to submit a revised plan for approval, please contact the officer below. When submitting any revised plan to the Minister, please provide a 'tracked changes' version of the plan.

I also attach a fact sheet providing guidance on new or increased impact relating to changes to approved management plans under EPBC Act.

As you are aware, the department has an active monitoring program which includes monitoring inspections, desk top document reviews and audits. Please ensure that you maintain accurate records of all activities associated with, or relevant to, the conditions of approval so that they can be made available to the department on request.

Should you require any further information please contact Post Approvals, cc Kimberly Glover, at <u>PostApproval@dcceew.gov.au</u>.

Yours sincerely

**Rachel Short** 

Branch Head Environment Assessments (Vic and Tas) and Post Approvals Branch Nature Positive Regulation Division

23 August 2023

Attach:

• <u>New increased impact guidance</u>