Upper South Creek

Advanced Water Recycling Centre and Pipelines

Air Quality CEMP Sub-plan

Document Number: USCP-JHG-MPL-ENV-0009
Revision: 07



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Recommend Documents to be Read in Conjunction

This management plan is to be read in conjunction with the Construction Environmental Management Plan (USCP-JHG-MPL-ENV-0008) and the Soils & Contamination CEMP Sub-plan (USCP-JHG-MPL-ENV-0003).

Distribution

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Revisions

Draft issues of this document shall be identified as Revision A, B, C etc. Upon initial issue (generally Contract Award) this shall be changed to a sequential number commencing at Revision 1. Revision numbers shall commence at Rev. 2, 3 etc.

Date	Rev	Details of Change	Section	Prepared By	Reviewed & Approved By
20.12.2022	01	Initial draft for John Holland internal review and for SWC review	All	W Chaudhary	A Harrington
16.02.2023	02	Addressing comments following SWC review	All	W Chaudhary / B.Dechnik	A Harrington
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26.05.2023	07	Response to DPE comments	All	M.Segaran	A.Harrington

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1 Glossary & Abbreviations

Abbreviations	Meaning
ACM	Asbestos Contaminated Materials
ADWF	Average Dry Weather Flow
AQCSP	Air Quality CEMP Sub-plan (this plan)
AWRC	Advanced Water Recycling Centre
BOM	Bureau of Meteorology
BP	Brine Pipeline
CEMP	Construction Environmental Management Plan
CSEP	Community and Stakeholder Engagement Plan
CSSI	Critical State Significant Infrastructure
CoA	Minister's Conditions of Approval
DCCEEW	Department of Climate, Change, Energy, the Environment and Water
DPI	Department of Primary Industries
DPE	NSW Department of Planning and Environment
EIS	Environment Impact Statement
EPA	Environmental Protection Agency
EP&A Act	*Environmental Planning and Assessment Act* 1979
EPBC Act	*Environmental Protection and Biodiversity Conservation Act* 1999
EWMS	Environmental Work Method Statements
ISC	Infrastructure Sustainability Council
JH	John Holland (the Principal Contractor)
LGA	Local Government Area
NEPM	National Environment Protection Measure
OEH	Office of Environment and Heritage
PM	Particulate Matter
POEO Act	*Protection of the Environment Operations Act* 1997
SCCSP	Soils & Contamination CEMP Sub-plan
SWC	Sydney Water Corporation (the client and Proponent)
SWGCSP	Surface Water & Groundwater CEMP Sub-plan
SWIRL	Sydney Water Incident Recording and Learning
SWMS	Safe Work Method Statement
TSP	Total Suspended Particulates
TW	Treated Water
UMM	Updated Management Measures
USC	Upper South Creek

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2 Introduction

2.1 Context

This Air Quality CEMP Sub-plan (AQCSP) forms part of the Construction Environmental Management Plan (CEMP) for Upper South Creek Advanced Water Recycling Centre (AWRC) and Pipelines Project (refer to herein as the Project).
This AQCSP has been prepared to address the requirements of:

- Minister's Conditions of Approval (CoA),
- *Upper South Creek Advanced Water Recycling Centre Environmental Impact Statement* (EIS) (September 2021)
- *Upper South Creek Advanced Water Recycling Centre Submission Report* (March 2022)
- *Upper South Creek Advanced Water Recycling Centre Amendment Report* (March 2022)
- *Upper South Creek Advanced Water Recycling Centre Submissions Report – Project Amendments* (April 2022)
- Response to DPE RFI 1, regarding responses to advice received on the Response to Submissions Report (dated 01 June 2022, 01 July 2022 and 11 July 2022)
- Response to DPE RFI 2, regarding additional information on Flood Impact Assessment (dated 11 July 2022)
- Commonwealth Controlled Activity Approval (EPBC 2020/8816)
- Infrastructure Sustainability Council Technical Manual version 2.1 (ISC 2.1) requirements, and
- All applicable legislation.

The USC project will be built in stages, consisting of:

Stage 1

- building and operating the AWRC to treat a daily wastewater flow, known as the average dry weather flow (ADWF), of up to 50 megalitres per day (ML/day); and
- building the treated water and brine pipelines to cater for up to 100 ML/day flow coming through the AWRC (but only operating them to transport and release volumes produced by Stage 1).

Future Stages

It is expected that the AWRC will ultimately require expansion to treat wastewater flows up to 100 ML/day. Sydney Water will remain flexible on the size and timing of these future upgrades to accommodate changes in population projections over time. Future stages will be subject to further environmental assessment.

Further detail on project staging is provided in the EIS. This AQCSP applies to Stage 1 detailed design, construction and commissioning only. John Holland has been appointed by Sydney Water to deliver the USC project works, including detailed design and construction for treating an operational daily wastewater flow of up to 35ML/day. Greater flow capacities (including up to 50ML/day and 100ML/day), as explored in the EIS, are not covered in this AQCSP. Further, subject to planning and operational requirements being considered by Sydney Water, the environmental flows pipeline from Wallacia to Warragamba River will not be constructed as part of the Stage 1 scope of works and has not been included in this AQCSP.

2.2 Project Description and Background

A comprehensive project description, including staging of the project, is outlined in Sections 1.1 to 1.3 of the CEMP. Figure 2-1 includes an overview of the Project site and associated pipelines. Figure 2-2 includes an overview of the AWRC site.

As part of the EIS development, a detailed assessment identified the key air quality issues, characterised the existing air quality and meteorological environment, quantified project emissions and used an air dispersion model to predict the impact of the project on local air quality. The assessment is included in section 11.1 of the EIS and in Appendix R (Air Quality Impact Assessment).

The potential air quality issues associated with the project have been identified as:

- Dust (that is, particulate matter (PM) in the form of Total Suspended Particulates (TSP), deposited dust, PM10 or PM2.5) during construction of all infrastructure;
- Odour from the AWRC during operation; and
- Emissions from cogeneration engines at the AWRC during operation.

As this AQCSP does not include the operational component of the project, the issue of dust management during construction of all infrastructure, as identified above is the key potential air quality issue addressed in this plan.

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2.3 Purpose

The purpose of this AQCSP is to outline the Project's approach to implement measures to minimise and manage air quality impacts during construction in accordance with the Project's legal, planning, and contractual requirements. Potential impacts to air quality as a result of project activities requiring management during construction (including cumulative impacts), as identified through ongoing environmental risk analysis, will be managed through **SMART** principles:

- **S**pecific – Air quality mitigation and management measures explored in Section 8 of this Plan specifically speak to JH's approach to dust generation and other potential air quality impacts during construction which was identified in the EIS as a key impact.
- **M**easurable – Inspection and monitoring requirements detailed in Section 10.3 of this Plan include specific measures or indicators for which inspection and monitoring requirements will be triggered.
- **A**chievable – Ongoing compliance with CoAs and UMM requirements (Tables 4-1 and 4-2, respectively), as discussed in Section 8 of this Plan, is achievable throughout the delivery of the USC construction work and represents the minimum requirements to be implemented by JH.
- **R**elevant - The management measures outlined in Section 8 of this Plan represent JH's approach to monitoring and tracking against the objectives, targets and environmental performance outcomes aimed at air quality (which are identified in Section 3 of this Plan).
- **T**ime-bound – On a broader scale, the management measures set out within Section 8 of this Plan are required to be implemented for the duration of construction, setting a clear and defined time frame.

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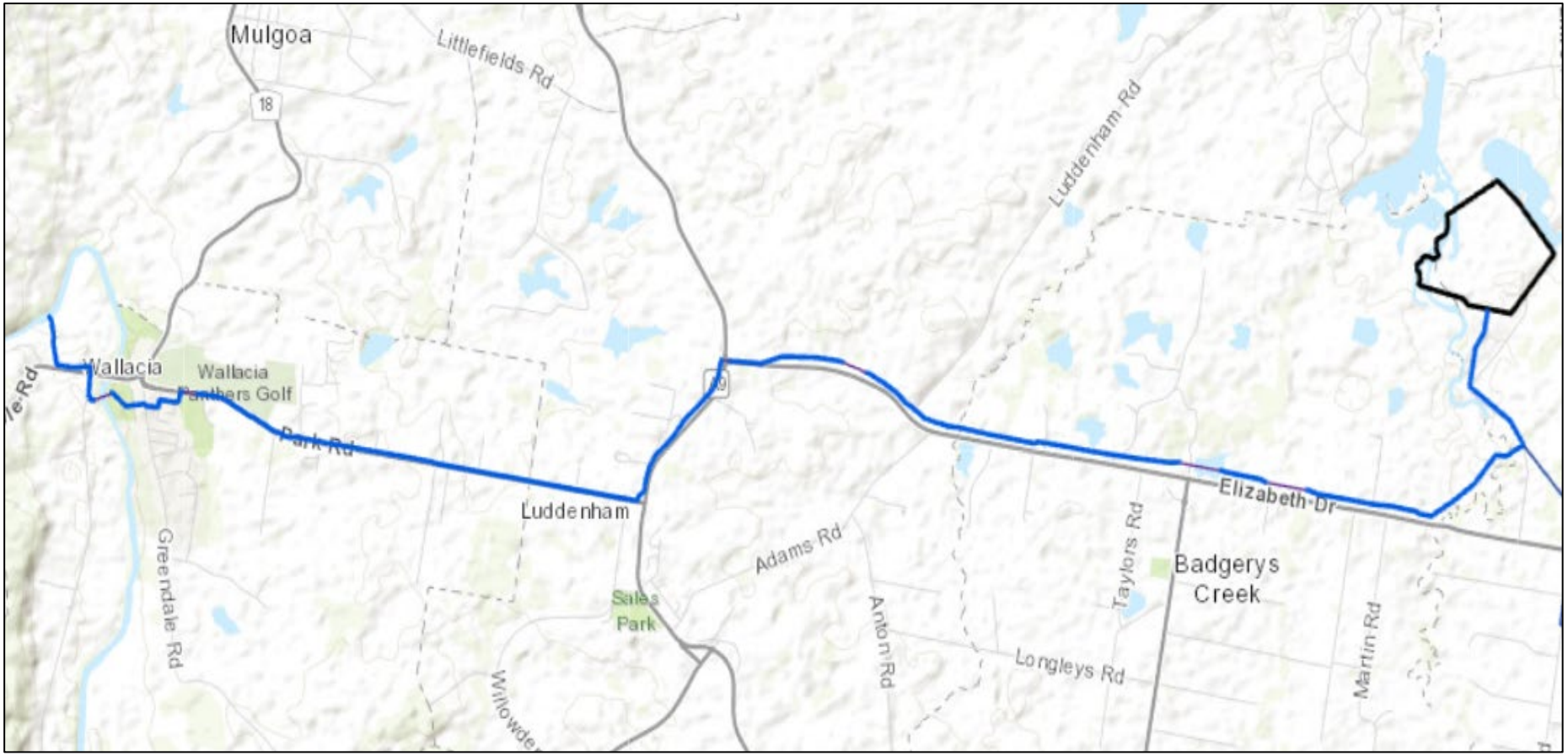


Figure 2-1a Indicative overview of the project site (AWRC) and treated water pipeline

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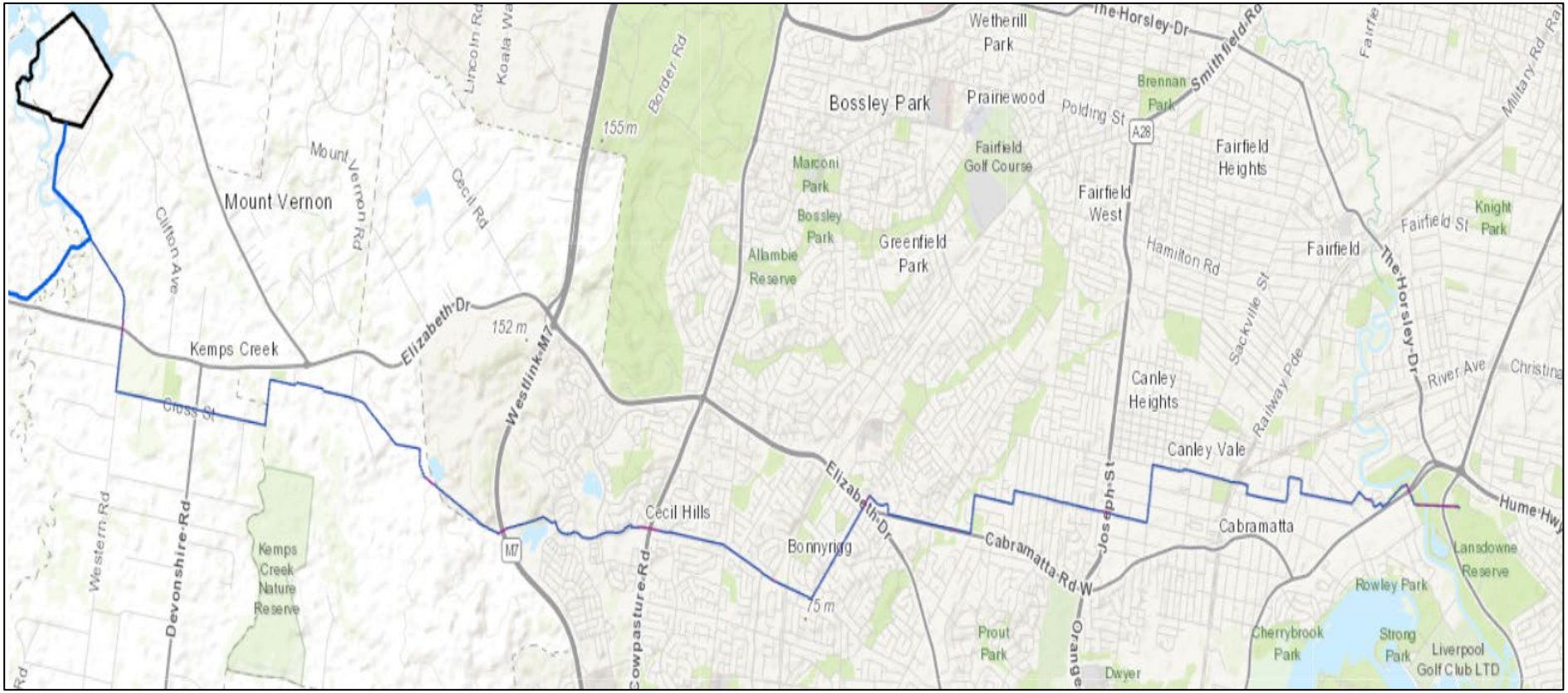


Figure 2-1b Indicative overview of the project

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Figure 2-2 Indicative AWRC site arrangement (indicative and pending detailed design)

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3 Objectives, Targets and Performance Criteria

The objectives and performance criteria identified in this AQCSP are applicable to all construction works associated with the USC Project (John Holland and its subcontractors).

3.1 Objectives

The key objective of this Plan is to ensure the following items, where they include items applicable to air quality management, are described, scheduled and assigned responsibility:

- The Environmental Impact Statement (EIS)
- The Amendment Report
- Updated Management Measures (UMMs)
- Minister's Conditions of Approval
- Commonwealth Controlled Activity Approval (EPBC 2020/8816)
- Infrastructure Sustainability Council Technical Manual version 2.1 (ISC 2.1) requirements
- Relevant legislation and other requirements described in Section 4 of this Plan.

3.2 Targets

The following targets have been established for the management of potential air quality impacts during the construction of the project:

- Ensure full compliance with the relevant legislative requirements and/or guidelines, CoA and UMMs.
- Minimise or avoid air quality impacts.
- Ensure full compliance with USC Project Sustainability Leadership Objectives and targets for the Construction phase including:
  - Number of significant air related incidents per million hours worked is 0.
  - Number of inspections related to air quality as per section 3.9 in the CEMP.
  - Ensure training and awareness on best practice air quality management is provided to all construction personnel through site inductions.

3.3 Performance Criteria

Environmental performance outcomes have been developed that are consistent with the various project approval documents. Only the environmental performance outcomes specific to this AQCSP have been presented in Table 3-1.

Table 3-1 Environmental performance outcomes relevant to the AQCSP

Desired Performance Outcome	How Performance Outcomes would be Achieved	Measurement Tool
The project is designed and constructed in a manner that minimises air quality impacts (including nuisance dust and odour) to minimise risks to human health and the environment to the greatest extent.	Effective management of dust, odour and other emissions during construction	Construction activities will be managed in accordance with the Air Quality CEMP Sub-plan to meet the project's air quality performance outcomes

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4 Legislative and Guidance Requirements

4.1 Relevant Legislation, Standards and Guidelines

4.1.1 Legislation

All legislation relevant to this AQCSP is included in Appendix A3 of the CEMP.

4.1.2 Standards and Guidelines

The primary guidelines, specifications, and other reference documents relevant to this plan include:

- National Environment Protection Council 2017 – Ambient Air: National Environment Protection Measure for Ambient Air Quality
- NSW EPA 2017 – Approved Method for Modelling and Assessment of Air Pollutants in NSW Roles and Responsibilities
- Australian Standard AS 2922 Ambient Air – Guide for the Siting of Sampling Units
- Australian Standard AS 3580.10.1-2017 Methods for sampling and analysis of ambient air – Determination of particulates – Deposited matter - Gravimetric method
- Australian Standard AS 2724.3-1984 Ambient Air – Particulate Matter – Determination of TSP – High Volume Sampler Gravimetric Method
- National Environment Protection Measure (NEPM) (Diesel Vehicle Emissions)
- Australian Standard AS 3570 – Automotive Diesel Fuels
- OEH's Smokey Vehicles Program under the NSW *Protection of the Environment and Operations Act 1997* and NSW *Protection of the Environment and Operations Clear Air Regulations 2010*
- *Safe Work Australia Code of Practice: How to Safely Remove Asbestos* (April 2016).

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4.2 Minister's Conditions of Approval

Table 4-1 below provides a summary of the CoA relevant to Air Quality and how and where these items are addressed in this Plan.

Table 4-1 CoA relevant to this AQCSP

CoA Reference	Condition Requirement	AQCSP Reference
A9	Where the terms of this approval require consultation to be undertaken, evidence of the consultation undertaken must be submitted to the Planning Secretary and ER (as relevant) with the corresponding documentation. The evidence must include: a. documentation of the engagement with the party identified in the condition of approval that has occurred before submitting the document for approval; b. a log of the dates of engagement or attempted engagement with the identified party; c. documentation of the follow-up with the identified party where engagement has not occurred to confirm that they do not wish to engage or have not attempted to engage after repeated invitations; d. outline of the issues raised by the identified party and how they have been addressed; and e. a description of the outstanding issues raised by the identified party and the reasons why they have not been addressed.	Section 5 of this Plan – 'Consultation' and Appendix A – CoA A9 Consultation Summary Report.
A45	The Planning Secretary must be notified via the Major Projects Website within seven days after the Proponent becomes aware of any non-compliance. The notification must identify the CSSI (including the application number and the name of the CSSI if it has one), identify the condition/s against which the CSSI is non-compliant, the nature of the non-compliance; the reason for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.	Section 10.5 of this AQCSP
C4	The following CEMP Sub-plans must be prepared in consultation with the relevant government agencies identified for each CEMP Sub-plan. Details of all information requested by an agency during consultation must be provided to the Planning Secretary as part of any submission of the relevant CEMP Sub-plan, including copies of all correspondence from those agencies as required by Conditions A1. (h) Air Quality	This AQCSP has been prepared to meet the requirements of CoA C4(h), consultation requirements are detailed in Section 5 of this Plan.
C5	The CEMP Sub-plans must state how: a. the environmental performance outcomes identified in the documents listed in Condition A1 will be achieved; b. the mitigation measures identified in the documents listed in Condition A1 will be implemented; c. the relevant terms of this approval will be complied with; and d. issues requiring management during construction (including cumulative impacts), as identified through ongoing environmental risk analysis, will be managed through SMART principles.	a. environmental performance outcomes related to air quality are discussed in Table 3-1 of this Plan. b. the mitigation measures identified in the documents listed in Condition A1 are addressed in Section 8 of this Plan. c. the relevant terms of the Infrastructure Approval (SSI-8609189) are identified in Tables 4-1 and 4-2 of this Plan. d. the application of SMART principles to the way in which air quality issues require management during construction is discussed in Section 2.3 of this Plan.
C11	Construction must not commence until the CEMP and all CEMP Sub-plans have been approved by the Planning Secretary.	Section 1.5 of the CEMP – the Air Quality CEMP Sub-plan is appended to the CEMP as Appendix B8.

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CoA Reference	Condition Requirement	AQCSP Reference
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	Section 1.5 of the CEMP – the Air Quality CEMP Sub-plan is appended to the CEMP as Appendix B8.
E1	In addition to the performance outcomes, commitments and mitigation measures specified in the documents listed in Condition A1, all reasonably practicable measures must be implemented to minimise the emission of dust and other air pollutants, including odours during the construction and operation of Stage 1 of the CSSI.	Section 8
E2	The final design of the discharge stacks of each co-generation engine must include a sampling plane compliant with Australian Standard AS4323.1 Stationary source emissions – Selection of sampling positions (2021).	Cogeneration equipment and processes (including design processes) are not a part of the scope of the CEMP and this AQCSP. The Proponent, Sydney Water, may introduce this scope in the future submission of project documentation or if required, this Plan will be revised to include relevant information.
E3	The Waste Gas Burner must be designed to achieve a minimum combustion temperature of 760 degrees Celsius, and a minimum residence time of 0.6 seconds.	Sydney Water have confirmed during detailed design development that the waste gas burners meet the relevant legislative requirements.
E4	All plant and equipment installed and used for the project must be: a. maintained in a proper and efficient condition; and b. operated in a proper and efficient manner.	Section 8
E5	Prior to the commencement of operation, the Proponent must prepare, implement and maintain an Air Quality and Odour Management Plan (AQOMP). The AQOMP must be prepared by a suitably qualified and experienced person(s) in consultation with the EPA and submitted to the Planning Secretary for approval.	John Holland together with its Operations & Maintenance joint venture partner Trility, will develop and implement an AQOMP as part of the preparation of operational management system documentation.
E6	The AQOMP must describe measures to minimise odour impacts associated with operation and include, but not necessarily limited to: a. objectives and targets; b. key performance indicators; c. identification of all sources of odour associated with the operation; d. a detailed description of odour mitigation methods and management practices; e. a detailed description of the methods used for monitoring the effectiveness of the odour mitigation methods and management practices; f. location, frequency and duration of monitoring; g. details of proposed contingency measures should odour impacts occur; h. a communications strategy for handling potential odour complaints that includes recording, investigation, reporting and actioning; and i. system and performance review for continuous improvements.	John Holland together with its Operations & Maintenance joint venture partner Trility, will develop and implement an AQOMP as part of the preparation of operational management system documentation.
E7	The Proponent must engage a suitably qualified and experienced person(s) to undertake post commissioning air emissions sampling to verify the emission performance of the co-generation engine.	Cogeneration equipment and processes (including design processes) are not a part of the scope of the CEMP and this AQCSP. The Proponent, Sydney Water, may introduce this scope in the future submission of project documentation or if required,

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<table>
<tr><th>CoA Reference</th><th>Condition Requirement</th><th>AQCSP Reference</th></tr>
<tr><td></td><td></td><td>this Plan will be revised to include relevant information (closer to commissioning works).</td></tr>
<tr><td>E8</td><td>The post commissioning sampling required under Condition E7 must occur within 3 months of the commissioning of the AWRC plant and corresponding air pollution controls.</td><td>Cogeneration equipment and processes (including design) are not a part of the scope of the CEMP and this AQCSP. The Proponent, Sydney Water, may introduce this scope in the future submission of project documentation or if required, this Plan will be revised to include relevant information.</td></tr>
<tr><td>E9</td><td>Sampling at the co-generation engine ventilation outlet must be performed for all pollutants specified in column 1 of Table 3, using the methods listed in column 3 of Table 3. All sampling and analysis must be undertaken in accordance with the Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales.
Table 3: Co-generation engine ventilation outlet criteria
<table>
<tr><th>Pollutant</th><th>Units of Measure</th><th>Sampling Method</th></tr>
<tr><td>Nitrogen Dioxide</td><td>Milligrams per cubic metre</td><td>TM-11</td></tr>
<tr><td>Volatile Organic Compounds</td><td>Milligrams per cubic metre</td><td>TM-34</td></tr>
<tr><td>Carbon Monoxide</td><td>Milligrams per cubic metre</td><td>TM-32</td></tr>
<tr><td>Temperature</td><td>Degrees Celsius</td><td>TM-2</td></tr>
<tr><td>Velocity</td><td>Metres per second</td><td>TM-2</td></tr>
<tr><td>Moisture</td><td>Percent</td><td>TM-22</td></tr>
</table>
Note: Where an alternative method is proposed to be used, this must be approved in writing by the EPA prior to its use.</td><td>Cogeneration equipment and processes (including design) are not a part of the scope of the CEMP and this AQCSP. The Proponent, Sydney Water, may introduce this scope in the future submission of project documentation or if required, this Plan will be revised to include relevant information.</td></tr>
<tr><td>E10</td><td>A minimum of two rounds of sampling must be undertaken to provide a suitable characterisation of emissions. Sampling must be undertaken when plant/process conditions are representative of emissions during representative periods of normal operation.</td><td>Cogeneration equipment and processes are not a part of the scope of the CEMP and this AQCSP. The Proponent, Sydney Water, may introduce this scope in the future submission of project documentation or if required, this Plan will be revised to include relevant information.</td></tr>
<tr><td>E11</td><td>An air emissions verification report must be prepared and submitted to the EPA and Planning Secretary for information no later than two months after completion of post commissioning sampling and monitoring. The air emissions verification report must contain, as a minimum, the following information:
a. a description of the process operating conditions at the time of sampling, including fuel usage rates and electricity generation (kWh);
b. a detailed description of the sampling location, including engineering drawings, schematics or photographs to support the description;
c. all information required to be reported under Section 4 of the Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales;
d. comparison of measured emissions against the concentrations listed in Table 4:</td><td>Cogeneration equipment and processes are not a part of the scope of the CEMP and this AQCSP. The Proponent, Sydney Water, may introduce this scope in the future submission of project documentation or if required, this Plan will be revised to include relevant information.</td></tr>
</table>

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CoA Reference	Condition Requirement	AQCSP Reference
	Table 4: Emission concentration standards <table><tr><th>Pollutant</th><th>Units of measure</th><th>100 percentile concentration standard</th><th>Reference conditions</th><th>Oxygen correction</th><th>Averaging period</th></tr><tr><td>Nitrogen dioxide</td><td>Milligrams per cubic metre</td><td>450</td><td>Dry, 273K, 101.3 kPa</td><td>3.0%</td><td>1 hour</td></tr><tr><td>Volatile organic compounds (as n-propane)</td><td>Milligrams per cubic metre</td><td>40</td><td>Dry, 273K, 101.3 kPa</td><td>3.0%</td><td>1 hour</td></tr></table> (e) Where the comparison under Condition E11(d) identifies monitoring results greater than the 100th percentile concentration standard, the air emissions verification report must identify additional mitigation measures to achieve the concentration standards. A timeline for implementation of any additional mitigation measures identified must also be nominated within the report. Notes: 1. Supporting evidence must be included which confirms that the plant/process was operating under normal, representative conditions at the time of sampling. 2. The EPA may utilise information contained in the report submitted to include additional conditions in any EPL issued for the project, including emissions limits and requirements for ongoing monitoring.	

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4.3 Updated Management Measures

Table 4-2 below provides a summary of the UMMs relevant to air quality and how these items are addressed in this plan.

Table 4-2 Updated Management Measures relevant to this AQCSP

UMMs Reference	Management Measure Requirement	AQCSP Reference
AQ01	**Operational NO2 emissions** Cogeneration equipment selection will include consideration of engines with the lowest level of NO2 generation per unit of energy production as far as practical.	Cogeneration equipment and processes (including design) are not a part of the scope of the CEMP and this AQCSP. The Proponent, Sydney Water, may introduce this scope in the future submission of project documentation or if required, this Plan will be revised to include relevant information.
AQ02	**Construction dust** Include the following measures in the project's CEMP: • Maintain equipment in good working order to comply with the Clean Air Regulations of the Protection of the Environment Operations Act 1997, having appropriate exhaust pollution controls, and meeting Australian Standards for exhaust emissions. • Water exposed areas using a non-drinking water source, where possible. • Cover exposed areas, where possible (for example with tarpaulins or geotextile fabric). • Modify or cease dust-generating work in windy conditions. • When designing site layout, consider opportunities to maximise distance of dust-generating activities from sensitive receivers.	Section 8
AQ03	**Operational odour emissions** Manage odour complaints in accordance with Sydney Water's existing management system processes.	This AQCSP is applicable to the Stage 1 construction phase works only. Requirements to satisfy UMM AQ03 will be incorporated into relevant operational phase environmental management plans.
G10	Continue to consult and coordinate with other major projects and utility providers that may be impacted during construction, or where cumulative impacts may occur.	Section 5 of this AQCSP details consultation requirements.

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4.4 Infrastructure Sustainability Council

Table 4-3 below provides the technical requirements for the Infrastructure Sustainability Council's (ISC) Technical Manual v2.1 requirements for the management of air quality (credit Env-4).

Table 4-3 – ISC v2.1 Env-4 Air Quality

Benchmark	Must statements	AQCSP Reference

DL1.1 The location, extent, type and sensitivity of air quality receptors and their pre-existing exposure have been determined.	MS1.1a: Baseline studies must be undertaken or reviewed by a suitably qualified professional to identify and assess the pre-existing air quality conditions prior to the project commencing, and cover:
	• Relevant environmental parameters including:
	  ○ Monitored compounds or pollutants (see Additional Guidance)
	  ○ Monitored meteorological parameters
	  ○ Seasonal or time of day variations (whichever is more appropriate for accurate baselines to be established)
	  ○ Specific local variations, representative sampling and links to activities likely to affect the baseline
	• The measurement criteria or indicators or factors used in the assessments.
	• Consideration of sensitive receptors
	• Existing long-term air quality impacts that may be affecting human health.
		Baseline studies were undertaken as a part of the development of the EIS by Jacobs. These studies are included in the 'Air Quality Impact Assessment' which is attached as Appendix R of the EIS.
		This information has been used to inform and develop section 6 of this plan.

	MS1.1b: A map showing the location of any sensitive receptors must be provided with the baseline studies.	Baseline studies were undertaken as a part of the development of the EIS by Jacobs and includes mapping showing the location of any sensitive receptors. These studies are included in the 'Air Quality Impact Assessment' which is attached as Appendix R of the EIS. This assessment was considered in the development of the AQCSP, including the development of project specific mitigation measures and controls.
	MS1.1c: If baseline studies have been undertaken and verified as part of a Planning rating then the requirements of this criterion have been met, unless the scope or footprint of the project has changed, new information has emerged (e.g. updated legislation) or five years has passed since the original study. In these circumstances the baseline studies undertaken as part of a Planning rating must be reviewed and updated by a suitably qualified professional or new studies completed as outlined above.	Baseline studies were undertaken as a part of the development of the EIS by Jacobs. These studies are included in the 'Air Quality Impact Assessment' which was finalised in 2021. This assessment is attached as Appendix R of the EIS. This assessment was reviewed by GHD.
DL1.2 Modelling for air quality has been developed for the construction and operation phases of the project.	MS1.2a: Air quality impacts must be modelled (see Definitions) for the construction and operation phases of the project and take the baseline data into account (DL1.1).	Baseline studies were undertaken as a part of the development of the EIS by Jacobs and includes modelling of potential air quality impacts for the construction and operation phases. These studies are included in the 'Air Quality Impact Assessment' which is attached as Appendix R of the EIS.
	MS1.2b: Modelled impacts must be developed or reviewed by a suitably qualified professional and incorporate all equipment proposed to be used through the project's construction and operation that could result in air quality impacts. For the operation phase, predicted impacts are normally demonstrated using modelling results from the design development.	

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Benchmark	Must statements	AQCSP Reference
	MS1.2c: Modelled impacts must factor in sensitive receptors (see DL1.1) and the increased air quality impacts they experience, including accumulated impacts (i.e. multiple impacts affecting the same sensitive receptors).	This information has been used to inform and develop section 7 of this plan.
DL1.3 Air quality goals have been identified for construction and operation.	MS1.3a: SMART air quality goals (see Additional Guidance) must be established for the project considering the baseline data (DL1.1) and modelled impacts (DL1.2) and cover both construction and operational phases. Documentation for goals must outline: • The intended outcome/s (measurable/quantifiable) • Any assumptions made (supporting legislation or guidelines and calculations where relevant) • How the baseline data and predictions have been incorporated.	Refer to Section 3.2 of this plan for construction targets. Operational targets will be included in the Sustainability Management Plan.
	MS1.3b: Air quality goals must be reviewed by a suitably qualified professional against the requirements above.	Air quality goals will be reviewed by suitably qualified professional
	MS1.3c: If air quality goals have been verified as part of a Planning rating, then those goals must inform this criterion. If the scope or footprint of the project has changed, new information has emerged or five years have passed since the goals were verified, then the goals established as part of a Planning rating must be reviewed and updated by a suitably qualified professional.	No planning rating is applicable to the project.
DL1.4 Measures to achieve air quality goals during construction and operation have been identified and implemented.	MS1.4a: Measures to meet the air quality goals (DL1.3) must be identified for construction and operation.	The mitigation measures identified in the documents listed in Condition A1 are addressed in Table 8-1 of this Plan. Operational measures are addressed in the EIS and will be included in the Operational Environment Management Plan
	MS1.4b: In the design phase, measures to be implemented for construction and operation must be detailed in relevant documents i.e. measures incorporated into the design to mitigate impacts or improve amenity in operation and controls specified to mitigate impacts or improve amenity during construction.	Section 8
	MS1.4c: Where exceedances are predicted, these predicted exceedances must be clearly identified with the appropriate control measures to limit the scale of the impact.	No exceedances were identified for the construction phase in the EIS.
DL1.5 Monitoring requirements for sensitive receptors have been determined with due regard to the project's air quality goals.	MS1.5a: An air quality monitoring program must be prepared or reviewed by a suitably qualified professional in line with the project's air quality goals (DL1.3) and for all scenarios where the risk to sensitive receptors warrants, and outline: • Monitoring objectives • Risk assessment outcomes used to determine monitoring requirements • Monitoring methods (if targeting level 3 see DL3.2) • The frequency, duration and locations of monitoring, any relevant triggers e.g. high-risk activities, complaints, incidents • The parameters to be monitored.	Baseline studies were undertaken by Jacobs as a part of the development of the EIS. The air quality assessment in Appendix R of the EIS addresses risks to sensitive receptors and monitoring requirements. Section 10.3
DL2.1 Air quality impacts, controls and mitigation measures have been reviewed with affected stakeholders.	MS2.1a: Affected stakeholders including those in the local community must be informed of the results of air quality modelling for construction and operations and engaged to review the project's air quality goals, and the choices and potential consequences of mitigation measures for construction and operations. *These requirements may be linked to aspects of Sta-1 and Sta-2.*	Section 5
	MS2.1b: The project must demonstrate how they have considered stakeholder inputs in proposed air quality controls and mitigation measures.	Section 5

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Benchmark	Must statements	AQCSP Reference
DL2.2 Modelling demonstrates no recurring or major exceedances of the air quality goals.	MS2.2a: Modelling interpreted by a suitably qualified professional must demonstrate no recurring or major exceedances of the project's construction and operations air quality goals (DL1.3).	Modelling of exceedances in air quality exceedances was undertaken by Jacobs as a part of the development of the EIS. The air quality assessment in Appendix R of the EIS addresses and models air quality impacts for sensitive receivers.
	MS2.2b: Modelling of construction and operational air quality must be completed for all scenarios where the risk to sensitive receptors warrants, and the risk levels justified.	
DL3.1 Modelling demonstrates no exceedances of the air quality goals.	MS3.1a: Modelling interpreted by a suitably qualified professional must demonstrate no exceedances of the project's construction and operation air quality goals (DL1.3).	
DL3.2 Real-time air quality monitoring and public reporting have been specified for construction.	MS3.2a: All air quality monitoring for the construction phase must be real-time monitoring (for sensitive receptors identified in DL1.1) and transparent public reporting of monitoring results must be specified for construction.	Detailed air-monitoring requirements will be provided for within the Demolition Plan for each building.
ABL1.1 Construction measures to mitigate air quality impacts and meet the air quality goals established in Design have been implemented and monitored.	MS1.1a: Mitigation measures to manage construction phase air quality impacts and meet the project's air quality goals for construction identified in Design (DL1.4) must have been implemented and had their effectiveness monitored.	Section 8 details the mitigation measures for air quality and section 10.3 details the inspections which will consist of monitoring the effectiveness of these measures.
	MS1.1b: Monitoring of air quality must be undertaken as per the monitoring plan developed during Design (DL1.5). Any divergences from the monitoring plan must be justified and show that there have been no adverse impacts to sensitive receptors.	Section 10.3.1
	MS1.1c: Where exceedances occur, the project must demonstrate why they occur and how they have been managed.	Corrective actions will be managed in accordance with Section 3.8.2 of the CEMP. Incident management and classification will be managed in accordance with Appendix A7 of the CEMP
ABL1.2 Measures to mitigate operational air quality impacts and meet the operations air quality goals established in Design have been implemented.	MS1.2a: Mitigation measures to manage operational air quality impacts and meet the project's air quality goals for operations identified in Design (DL1.4) must have been implemented in construction.	John Holland together with its Operations & Maintenance joint venture partner Trility, will develop and implement an AQOMP as part of the preparation of operational management system documentation.
ABL1.3 Details regarding mitigation measures and monitoring that require ongoing attention during operation have been formally handed over to the proponent / operator.	MS1.3a: Details regarding air quality goals (DL1.3), mitigation measures (DL1.4) and monitoring (DL1.5) that require ongoing attention during asset operation must be formally documented and handed over to the operator or proponent.	John Holland together with its Operations & Maintenance joint venture partner Trility, will develop and implement an AQOMP as part of the preparation of operational management system documentation.
ABL2.1 Air quality impacts and mitigation measures have been regularly reviewed with key external stakeholders and their feedback considered.	MS2.1a: Affected stakeholders including those in the local community must be engaged every two years (bi-annually) to review progress on air quality goals and mitigation measures, and the air quality monitoring and modelling for construction and operations. These requirements may be linked to aspects of Sta-1 and Sta-2.	Section 10.4
	MS2.1b: Any improvement actions agreed with stakeholders must be implemented.	Section 10.5
ABL2.2 Implemented construction measures have been monitored and no recurring or major exceedances of the air quality goals demonstrated.	MS2.2a: Monitoring of measures to manage construction phase air quality impacts and meet the project's air quality goals for construction (ABL1.1) must demonstrate there are no recurring or major exceedances of the air quality goals.	Section 10.3

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Benchmark	Must statements	AQCSP Reference
ABL2.3 Modelling of air quality during asset operation has been updated if required and demonstrates no recurring or major exceedances of the air quality goals.	MS2.3a: If the final asset design has changed in a way that risks increasing air quality impacts during operation, then modelling and predictions of air quality during operation must be updated if required to reflect the As Built asset and demonstrate no recurring or major exceedances of the operational phase air quality goals (set in DL1.3).	Not yet Triggered
	MS2.3b: Any updated modelling must be interpreted by a suitably qualified professional in line with the relevant air quality goals.	Not yet Triggered
ABL3.1 Implemented construction measures have been monitored and no exceedances of the air quality goals demonstrated.	MS3.1a: Monitoring of measures to manage construction phase air quality impacts and meet the project's air quality goals for construction (ABL1.1) must demonstrate there are no exceedances of the air quality goals.	Section 10.3
ABL3.2 Modelling of air quality during asset operation has been updated if required and demonstrates no exceedances of the air quality goals.	MS3.2a: If the final asset design has changed in a way that risks increasing air quality impacts during operation, then modelling and predictions of air quality during operations must demonstrate no exceedances of the project's operational phase air quality goals, considering the forecast useful life of the asset.	Not yet Triggered
	MS3.2b: Any updated modelling must be interpreted by a suitably qualified professional in line with the relevant air quality goals.	Not yet Triggered
ABL3.3 Real-time air quality monitoring and public reporting have been implemented for construction.	MS3.3a: All air quality monitoring implemented for the construction phase must be real-time monitoring (for identified sensitive receptors) and transparent public reporting of monitoring results must be implemented.	Section 10.3.1

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5 Consultation

Consultation requirements raised in the Infrastructure Approval are explored in detail in Section 2 of the CEMP. Specifically, the AQCSP has been provided to the following agencies in accordance with CoA C4, with their details summarised in Appendix A and applicable comments received from the consultation process incorporated in relevant sections of this Plan.

- NSW Environment Protection Authority (EPA)
- Relevant Councils, including:
  - Wollondilly Shire Council
  - Penrith City Council
  - Liverpool City Council
  - Fairfield City Council
  - Canterbury-Bankstown Council

In accordance with section 3.6.3 of the CEMP, where applicable, ongoing consultation with surrounding major projects will be undertaken to manage any potential cumulative air quality impacts.

In accordance with CoA A9, a Consultation Summary Report has been developed and appended to this Plan (Appendix A) to document and provide evidence of consultation undertaken in accordance with the Infrastructure Approval.

5.1 Endorsement

Prior to submission of this sub-plan to the Planning Secretary, the AQCSP will be endorsed by the ER. This AQCSP will be submitted to the Planning Secretary no later than one month before the commencement of construction.

No construction will commence until the CEMP and all CEMP Sub-plans have been approved by the Planning Secretary. 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.

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6 Existing Environment

The following sub-sections provide detail on the existing environment on and around the USC construction site and factors influencing air quality within and adjacent to the Project work areas. Information has been extracted from the Upper South Creek AWRC EIS.

6.1 Site Context

The project, and specifically the proposed AWRC site, is located in a rural area of Western Sydney, approximately 40km to the west of the Sydney central business district, and part of the Greater Western Sydney region. The AWRC site is set at an elevation of approximately 40m above sea level within a natural depression that follows the alignment of South Creek and Badgerys Creek. The treated water pipeline is approximately 16km in length and leaves the AWRC site in a westerly direction where it directs treated water into the Nepean River at Wallacia via a release structure. The brine pipeline is approximately 24km in length and leaves the AWRC site in an easterly direction where it directs brine into the existing Sydney Water network via the Northern Georges River Submain (NGRS) at Lansdowne.

The surrounding project area is a mixture of the sprawling, developed suburbs of western Sydney and rural residential areas with key local industries and other activities. Land uses in close proximity to the AWRC site and pipelines alignment with the potential to impact local air quality include:

- The SUEZ Resource Recovery Park
- A wholesale nursery
- Chicken broiler / layer farms
- The Western Sydney Airport
- Sydney Metro – Western Sydney Airport project
- M12 Motorway project.

With respect to cumulative impacts, the SUEZ Resource Recovery Park, wholesale nursery and chicken broiler/layer farms do not generate odour that would be of a similar nature and smell to emissions from the AWRC construction site, therefore the potential for cumulative impacts is minimal. The Western Sydney Airport, Sydney Metro and the M12 projects may be a potential source of dust and odour to the AWRC site and the pipeline alignments.

The project area is surrounded by a wide range of sensitive receivers, including residential properties, community facilities (such as schools, childcare centres, places of worship, and medical facilities), and recreational areas. A small number of these receivers are located immediately adjacent to the project area. At the AWRC site, the nearest private residential properties are approximately 500m south, southeast, east and northeast. The Twin Creeks residential development is about 1.5km to the north-west. Along the pipeline alignments, sensitive residents and commercial receivers are within 20m of the rolling work front, as pipes are installed, and crews move along.

6.2 Meteorological Conditions

To understand the direction and rate at which emissions from a source will disperse, meteorological conditions are critical and need to be taken into consideration. Meteorological monitoring will be carried with the use of Sitehives, an equipment which will measure real-time pollution parameters. Specific to air quality, Sitehives will measure dust, wind and rainfall within the AWRC site and along the Pipeline alignment during high impact works/ when in proximity to sensitive receivers. There are also several meteorological stations within 10km of these locations including Bringelly, Horsley Park, Liverpool, Prospect, St Marys and Penrith.

Prevailing winds in the area are from the south-southwest and north-northwest, a pattern that is common for western Sydney and reflects the influence of the north to south alignment of the Blue Mountains to the west.

6.3 Air Quality Conditions

Air quality monitoring has shown that, in terms of particulate matter (as PM10), many locations near the project have experienced at least one day above the EPA's 24-hour criterion in the past five years. The averages generally increased from 2017 onwards and exceeded the EPA criterion in 2019 at some locations. These results were heavily influenced by dust from the widespread, intense drought and smoke from bushfires and hazard reduction burning (OEH 2019). Concentrations of another key indicator of air quality, NO2, were also reviewed and found to be below the relevant EPA criteria.

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7 Air Quality and Construction Impacts

Key aspects of the Project that have the potential to result in an impact to air quality are summarised below.
Dust generation due to:

- Clearing, grubbing and stripping of vegetation and/or topsoil
- Stockpiling of topsoil and mulched vegetation
- Demolition of buildings and associated structures (AWRC site), including those with asbestos containing materials (ACM)
- Wind erosion of exposed surfaces, including stockpiles
- Wheel-generated dust from movement of vehicle/plant/machinery on unsealed roads, work-site access points including on to local road network, unsealed work areas
- Operation of ancillary facilities and compounds
- Concrete cutting and drilling
- Asbestos or contaminated soil removal (if encountered)
- Cut and fill works, earthworks, trenching and dewatering
- Construction of buildings, treatment infrastructure, storage tanks and other treatment process units.

Particulate matter (PM10) generation due to:

- Operation of construction vehicles and plant
- Exhaust emissions from stationary and mobile plant on site
- Dust generating activities as listed above.

The main potential air quality impacts during construction would be associated with the generation of dust. Construction activities with the greatest potential to generate dust include:

- Excavation, handling, stockpiling, loading and unloading, and transport of spoil
- Demolition of buildings and other structures, and the handling, stockpiling and transport of demolition material
- Transport, loading and unloading, stockpiling and handling of imported construction materials such as imported fill
- Creation of exposed surfaces through the clearing of vegetation, stripping of topsoil and other overlying structures (such as road and footpath pavements), which would increase the potential generation of dust emissions by wind erosion.

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8 Environmental Mitigation and Management Measures

The USC works will be constructed in a manner that minimises vehicle emissions, dust emissions from the site, including wind-blown and traffic-generated dust and tracking of material onto public roads. All activities on the site will be undertaken with the objective of minimising dust and exhaust emissions. Should visible dust emissions occur at any time, John Holland will identify and implement all feasible and reasonable dust mitigation measures, including cessation of relevant works, as appropriate, such that emissions of visible dust cease.

Specific measures and requirements to address potential impacts on air quality are outlined in Table 8-1.

Table 8-1 Air Quality Mitigation and Management Measures

ID	Measure / Requirement	Timing	Responsibility	Resource	Reference
Pre-Construction					
AQ01	Identify sensitive receivers in the Site Environmental Plan (SEP) prior to works commencing.	Prior to construction	JH Environmental Manger	Project GIS SEPs	CoA E1 UMM AQ02
AQ02	Incorporate information on dust sources, impacts and mitigation measures and methods of managing emissions into Site Inductions, training, EWMSs and on-going Toolbox Talks.	Prior to construction	JH Environmental Manger / JH Construction Manager	This AQCSP Induction Package	CoA E1 UMM AQ02
AQ03	Dust minimisation measures would be developed and implemented prior to commencement of construction. These measures can include, but are not limited to: - Soil Binder - Water application - Compaction of top soil/ roads - Wind breaks - Boundary screening	Prior to construction	JH Environmental Manger / JH Construction Manager	This AQCSP Construction readiness reviews Procure relevant materials / equipment	CoA E1 UMM AQ02
Site Establishment					
AQ04	Construction site layout and placement of plant would consider air quality impacts to nearby receivers.	Prior to construction	JH Environmental Manger / JH Construction Manager	Construction coordination meetings SEPs	CoA E1 UMM AQ02

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ID	Measure / Requirement	Timing	Responsibility	Resource	Reference
AQ05	Spoil and waste for disposal must be classified and transported by appropriately licensed contractors in a manner to minimise dust to licensed and approved facilities	Prior to construction	JH Environmental Manger / JH Construction Manager	This AQCSP SEPs Procure relevant services / materials / equipment	CoA E1 UMM AQ02
AQ06	Temporary spoil stockpiles formed during site establishment are to be maintained/ managed to minimise dust, e.g. hosed down, covered, compaction, use of soil binder. Also refer to the USC Soils & Contamination CEMP Sub-plan for stockpile management requirements.	During construction	JH Construction Manager / JH Environmental Manger	This AQCSP SCCSP SEPs Construction coordination meetings Procure relevant services / materials / equipment	CoA E1 UMM AQ02
AQ07	Wind breaks, which may include site hoardings or covered soil windrows, may be constructed where construction works are in close proximity to sensitive receivers (where feasible and reasonable) to prevent and reduce dust transmission.	During construction	JH Construction Manager	Construction coordination meetings SEPs	CoA E1 UMM AQ02
AQ08	Boundary screening (for example shade cloth affixed to site security fencing) will be established around ancillary facilities that are adjacent to sensitive receivers to reduce dust transmission.	Prior to construction	JH Construction Manager	Construction coordination meetings SEPs Procure relevant services / materials / equipment	CoA E1 UMM AQ02
Demolition					
AQ09	A pre-demolition destructive hazardous material survey would be carried out of any buildings and structures within the AWRC site to confirm hazardous materials and estimate waste types and quantities in accordance with UMM CLS02.	Pre-demolition	JH Construction Manager / Site Foreman	Suitably qualified professional Construction coordination meetings	UMM CLS02

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ID	Measure / Requirement	Timing	Responsibility	Resource	Reference
AQ10	Water suppression to be used during demolition to minimise dust generation as required.	During construction	JH Construction Manager	Construction coordination meetings SEPs Procure relevant services / materials / equipment	CoA E1 UMM AQ02
AQ11	The insides of buildings to be stripped where feasible and reasonable before demolition of structure undertaken to reduce the potential of excess dust being generated.	During construction	JH Construction Manager	Construction coordination meetings Procure relevant services / materials / equipment	CoA E1 UMM AQ02
General Construction					
AQ12	Undertake on-going visual monitoring for dust (e.g. site inspections) to assess the effectiveness of mitigation measures.	During construction	JH Environmental Manger / JH Construction Manager /Site Foreman	SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02
AQ13	As required, a sweeper will be used to clean dirt tracked on hardstand, pavements, or roads.	During construction	JH Construction Manager / Site Foreman	Procure relevant services / materials / equipment SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02
AQ14	As required, water sprays and/or water carts to be used as required for dampening exposed surfaces to control dust generation. Water exposed areas using a non-drinking water source, where possible.	During construction	JH Construction Manager / Site Foreman	Procure relevant services / materials / equipment SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02

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ID	Measure / Requirement	Timing	Responsibility	Resource	Reference
AQ15	Silt accumulated in sediment control devices (e.g. silt fences and spoon drains) to be removed on a regular basis to prevent dust generation.	During construction	JH Environmental Manger / JH Construction Manager	SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02
AQ16	Dust suppression measures, such as water lines, will be used if cutting, grinding or sawing equipment as required.	During construction	JH Construction Manager / Site Foreman	SEPs Weekly enviro inspection checklist Procure relevant services / materials / equipment	CoA E1 UMM AQ02
AQ17	Plant, vehicles and machinery to be maintained in good working order to comply with the Clean Air Regulations of the Environment Operations Act 1997 and the Australian Standard for exhaust emissions. All equipment and vehicles are to be regularly maintained and records kept of maintenance. A pre-mobilisation checklist will ensure that plant proposed for use onsite has been serviced in accordance with manufacturer's specifications (and therefore meets emission requirements).	Prior to construction During construction	JH Safety Manager / Construction Manager / Site Foreman Subcontractors	Pre-mobilisation checklist Maintenance records Daily pre-start checks	CoA E1 UMM AQ02
AQ18	Vehicles and construction plant are subject to a pre-acceptance check before arriving to the worksite.	Prior to construction	JH Safety Manager Subcontractors	Pre-acceptance checklist	CoA E1 UMM AQ02
AQ19	Engines will be switched off when vehicles and plant are not in use, to minimise idling, and refuelling areas will be away from areas of public access and sensitive receivers.	During construction	JH Construction Manager / Site Foreman Subcontractors	SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02
AQ20	Low emission vehicles and plant fitted with catalysts, diesel particulate filters or similar devices would be used, where feasible and reasonable.	During construction	JH Construction Manager / Site Foreman / Subcontractors JH Environment Manager	Pre-acceptance checklist SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02
AQ21	Haul routes and plant (including generators) to be sited away from sensitive receivers, such as dwellings and schools, where feasible and reasonable.	During construction	JH Construction Manager / JH Environment Manager	SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02

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ID	Measure / Requirement	Timing	Responsibility	Resource	Reference
AQ22	Workers will be encouraged to use public transport, and consider other modes of transport such as car-pooling (refer to USC Traffic & Transport CEMP Sub-plan)	During construction	JH Construction Manager / JH Environment Manager Subcontractors	Project induction	CoA E1 UMM AQ02
Excavation and Earthworks					
AQ23	Working face and areas of open excavation to be kept to a minimum, where feasible and reasonable	During construction	JH Construction Manager / Site Foreman	Construction planning / sequencing SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02
AQ24	Water suppression to be used for active earthwork areas, stockpiles, gravel roads to reduce the generation of wind-blown dust.	During construction	JH Construction Manager / Site Foreman	SEPs Weekly enviro inspection checklist Procure relevant services / materials / equipment	CoA E1 UMM AQ02
AQ25	The amount of excavated material stored on site is to be minimised.	During construction	JH Construction Manager / Site Foreman	Construction planning / sequencing	CoA E1 UMM AQ02
AQ26	All vehicles carrying loose or potentially dusty material to and/or from the site must be covered.	During construction	JH Construction Manager / Site Foreman Driver of vehicle	Project induction SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02
AQ27	Vehicular and foot traffic would be restricted to designated areas.	During construction	JH Construction Manager / Site Foreman / Subcontractors	Construction planning / sequencing	CoA E1 UMM AQ02

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ID	Measure / Requirement	Timing	Responsibility	Resource	Reference
Spoil Handling, Storage and Transport					
AQ28	Site access roads will be stabilised to minimise tracking of dirt and the generation of dust.	During construction	JH Construction Manager / Site Foreman	Procure relevant services / materials / equipment SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02
AQ29	Vehicles hauling spoil to stay on the designated roads and access tracks.	During construction	JH Construction Manager / Site Foreman Drivers of spoil haulage vehicles	Project induction SEPs Weekly enviro inspection checklist Spoil tracking	CoA E1 UMM AQ02
AQ30	Trucks carrying spoil onto, or off site are to be covered. Tailgates, under-rigs, wheels and towing apparatus of all trucks to be checked to ensure they are clean and secure, prior to leaving the worksite.	During construction	JH Construction Manager / Site Foreman Drivers of spoil haulage vehicles	Project induction SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02
AQ31	Unsealed haul roads must be regularly damped down.	During construction	JH Construction Manager / Site Foreman	Procure relevant services / materials / equipment SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02
AQ32	Appropriate site speed limits will be imposed and sign posted on haul routes.	During construction	JH Construction Manager / Site Foreman	Project induction Site-specific CTMPs	CoA E1 UMM AQ02

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ID	Measure / Requirement	Timing	Responsibility	Resource	Reference
AQ33	Hard surfaces would be installed on long term haul routes and regularly cleaned.	During construction	JH Construction Manager / Site Foreman	Construction planning / sequencing Procure relevant services / materials / equipment SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02
AQ34	Wheel-wash facilities or rumble grids will be provided and used near the site exit points, as appropriate.	During construction	JH Construction Manager / Site Foreman	Construction planning / sequencing Procure relevant services / materials / equipment SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02
Asbestos Removal					
AQ35	Asbestos handling and management would be in accordance with: - Work Health and Safety Act 2011 - Work Health and Safety Regulation 2017 - Safework NSW Code of Practice – How to Safely Remove Asbestos – September 2016	During construction	JH Construction Manager / Site Foreman / JH Safety Manager / JH Environment Manager	Suitably qualified professional Construction planning / sequencing Procure relevant services / materials / equipment	CoA E1 UMM AQ02 Soils and Contamination CEMP Sub-plan

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ID	Measure / Requirement	Timing	Responsibility	Resource	Reference
AQ36	Any asbestos found would be managed under a site-specific asbestos removal plan prepared by a licenced asbestos removal contractor and in accordance with USC Safety Management Plan. The relevant plan will include consideration of: - Air monitoring requirements during removal activities - Dust suppression techniques to be implemented during removal activities.	During construction	JH Construction Manager / Site Foreman / JH Safety Manager / JH Environment Manager	Suitably qualified professional Construction planning / sequencing Procure relevant services / materials / equipment	CoA E1 UMM AQ02 Soils and Contamination CEMP Sub-plan
AQ37	Any asbestos material stockpiled on site would be wetted down, covered and managed in accordance with the USC Soils & Contamination CEMP Sub-plan.	During construction	JH Construction Manager / Site Foreman	Suitably qualified professional Construction planning / sequencing Procure relevant services / materials / equipment	CoA E1 UMM AQ02
Extreme Weather Conditions					
AQ38	Dust generating activities would be assessed during periods of strong winds and where dust generation cannot be controlled, works will be stopped and rescheduled where required.	During construction	JH Construction Manager / Site Foreman / JH Environment Manager	BoM SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02
Site Shutdown Periods					
AQ39	Prior to a planned period where sites are to be closed for a period of longer than 48 hours, where no works or deliveries are to be undertaken, a site inspection will be carried out to identify any additional measures be put in place to reduce dust and ensure the site is stable.	Prior to planned shutdown period	JH Environment Manager / JH Construction Manager / Site Foreman	Construction planning / sequencing Procure relevant services / materials / equipment SEPs Weekly enviro inspection checklist	CoA E1 UMM AQ02

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9 Complaints Handling and Incident Management

9.1 Complaints Handling

The USC Community & Stakeholder Engagement Plan (CSEP) defines the policies, protocols, procedures and processes for identifying and managing community specific issues arising from design and construction activities, including complaints relating to environmental issues.

The JH Environment Manager will assist the JH Community and Stakeholder Engagement Manager in responding to environmental complaints and maintain a register of Environmental Complaints for reporting to the Environment Protection Authority (EPA) and other relevant agencies.

Any complaints will be handled in accordance with section 9.2 of this AQCSP.

9.2 Incident Management

In the event that a complaint is received regarding air quality, the JH Environment Manager will conduct an investigation to determine the potential parameters of influence that could have led to the complaint and potential exceedance of air quality parameters.

The investigation will examine amongst other aspects:

- The quantity of exposed areas, which may potentially generate dust
- The nature and volume of the materials being moved or disturbed
- Whether there is potential to revegetate or cover these areas
- The location and distance to nearby sensitive receivers
- Whether there were any identified days of excessive high wind during the period examined
- The number of water-trucks operating within the area during the period
- An examination of construction activities conducted during this period
- If road sweeping was sufficient
- The potential for contaminated material to become air borne
- Recorded weather conditions reports for the day.

Corrective actions will be managed in accordance with Section 3.8.2 of the CEMP.

All air quality incidents, reportable events, regulatory actions and non-compliance will be raised via the internal John Holland system, Soteria. Incidents will be reported to Sydney Water as a report action (RA) for integration into the Sydney Water Incident Recording and Learning (SWIRL) system, as is required under Sydney Water *Incident Management Procedure* (DC0000506).

RAs will capture ‘actual’ or ‘potential’ incidents or non-conformances and their severity. The following details will be provided as part of the Report Action:

- detailed explanation of the Report Action
- Root Cause Analysis (RCA)
- description of what would be put in place to prevent incident from reoccurring
- cost of Materials/Consumables used to close out the Report Action e.g. Backfill material, concrete, pipe and fittings, welding electrodes, etc.
- hours required to close out the Report Action i.e. PM, PE, Admin, Subcontractors hours, supervision, work crew hours, design hours, investigation hours etc

Incident management and classification will be managed in accordance with Appendix A7 of the CEMP.

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10 Compliance Management

10.1 Roles and Responsibilities

The USC Project Team's organisational structure and overall roles and responsibilities are outlined in Section 3.3 of the CEMP. Specific responsibilities for the implementation of environmental controls for air quality are detailed in Section 8 of this Plan.

The Infrastructure Sustainability Council (ISC) v2.1 credit Env-4 Air Quality, mandates that some roles must be performed by a Suitably Qualified Professional (SQP). ISC defines a a SQP as*, "a professional with relevant environmental science or engineering qualifications and a minimum of 4 years' experience in air quality assessment, modelling and monitoring".* The minimum qualifications and years of experience relevant to the review and preparation of this plan have been undertaken in accordance with this definition.

10.2 Training

All employees, contractors and utility staff working on site will undergo a site induction in which initial training on environmental issues including air quality will be undertaken. The induction training will address elements related to air quality including:

- Potential sources of dust and odours specific to the Project
- Sensitive receivers in proximity to the work area
- Mitigation measures to be implemented during stages of construction to manage potential dust and odours

Targeted training and awareness in the form of toolbox talks or specific training will also be provided to personnel with a key role in the management of potential impacts to air quality or undertaking works with a high risk of generating dust. Further details regarding staff induction and training are outlined in Section 3.5 of the CEMP.

10.3 Inspections and Monitoring

Inspections will be undertaken in accordance with Section 3.9 of the CEMP. The JH Environment Manager (or delegate) will undertake weekly environmental inspections of the work sites to evaluate the effectiveness of environmental controls. The weekly environmental inspection checklist will be used as an instrument to record the weather conditions, the construction activities and comments about air-quality impacts. The Environmental Representative will inspect the site regularly, including the status and effectiveness of any air quality control measures.

Any maintenance and/or deficiencies in environmental controls will be recorded on the checklist form, including any actions required and an implementation priority. Actions will be closed out in accordance with the identified priority and evidence of close out would be kept on file. Reporting requirements related to such matters will be done in accordance with Section 10.5 of this Plan.

10.3.1 Monitoring Dust Generating Activities

Monitoring the impact of dust generating activities will be undertaken by the JH Site Supervisor, JH Site and Project Engineers, and/or the JH Environmental Team daily. Monitoring will be conducted through visual inspection of the onsite activities on a daily basis to ensure that more than localised amounts of dust is not generated nor impacting receivers in close proximity to the worksites. The visual inspections will target:

- Checking stockpiles have appropriate controls to reduce dust
- Ensuring movement of spoil is being undertaken with the appropriate controls
- Ensuring haul roads are being wet down or are not producing excessive dust
- Ensuring truck and vehicle movements are not producing excessive amounts of mud or dust
- Inspection of public roads for tracked dust or mud
- Regular visual monitoring of dust generation from work areas
- Monitoring of works such as saw-cutting, grinding, drilling and ensuring appropriate controls are being applied.

If dust is being produced and is leaving site, the works generating this will be suspended or controlled/modified so that no further dust is leaving site. In addition, where a risk assessment indicates the risk of dust generation in proximity to sensitive receivers (as per the SEP'), or in response to a complaint, real-time monitoring (i.e Site Hive) will be undertaken. Specific monitoring locations will be included on the Site Environment Plan as a risk-based approach, taking into account upcoming scope of works, locations of sensitive receivers, likely meteorological conditions.

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10.3.2 Monitoring Plant and Vehicle Emissions

Prior to being used on site, plant and vehicles will undergo an inspection performed by the JH Safety Team. This will include a mechanical inspection to ensure that the plant or vehicle is in good working order, and the appropriate emission controls are in place. Plant and vehicle checks will be documented and kept by the JH Safety Team.

JH Site Supervisors, Site Engineers and Environmental Coordinators will undertake visual inspections of the construction activities to ensure that plant and vehicles are not producing excessive smoke or emissions and no unnecessary idling of plant or vehicles. Records of all inspections are to be maintained and documented using Soteria.

10.3.3 Meteorological Monitoring

Monitoring local meteorological conditions on a daily basis provides information on when onsite construction activities and any exposed areas may be at a higher risk for dust to become airborne and mobilised offsite. The information would then be used to inform the required controls and management as per Section 8 of this Plan.

In monitoring local meteorological data, the nearest Bureau of Meteorology (BOM) Weather Station will be used. These stations will include but will not be limited to:

- Horsley Park (ID: 94760) (for the AWRC site and TW pipeline)
- Badgerys Creek (ID: 94752) (for the BP).

The following parameters will be monitored:

- Wind speed and direction
- Temperature
- Rainfall
- Relative humidity.

10.3.4 Demolition of Buildings

John Holland is required to demolish existing buildings at the proposed AWRC site in order to construct the works. Removal works would be carried out by licensed contractors. Typically, building removal would involve:

- Establishment of hoarding, scaffolding and protection barriers around the perimeter of the site of the building to be removed
- All services into the buildings would be decommissioned, made safe and redundant
- Soft stripping of internal building materials
- Demolition of the building using an excavator, bobcat, cranes or other conventional methods
- following a top-down approach
- Temporary propping and/or waterproofing provided for structural integrity of adjacent structures.

Detailed air-monitoring requirements are covered within the Demolition Plan for each building. Monitoring will be undertaken during the demolition process, including securing any impacted waste materials into the appropriate waste receptacle, where a review of HAZMAT information indicates that there is a risk of creating airborne contaminants.

Airborne asbestos monitoring will be undertaken in accordance with the requirements of *Safe Work Australia Code of Practice: How to Safely Remove Asbestos* (April 2016). Health monitoring will be undertaken for workers involved in the modification or demolition of any buildings where lead paint may be present (where the lead paint containing surfaces will be disturbed). Other measures to be included within Safe Work Method Statements (SWMS) and implemented during these works include appropriate dust control (such as water sprays or encapsulation as required), appropriate PPE, hygiene procedures and exclusion zones. Further detail regarding the requirement to undertake a building hazard survey is discussed in the USC Soils & Contamination CEMP Sub-plan.

10.4 Auditing

Audits (both internal and external) will be undertaken to assess the effectiveness of environmental controls, compliance with this AQCSP, CoA and other relevant approvals, licenses and guidelines. Audit requirements are detailed in Section 3.9.3 of the CEMP. Affected stakeholder as identified in the SEP's will be engaged bi-annually (every-two-years) to review progress on air quality goals and mitigation levels, and the air quality monitoring and modelling for construction.

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10.5 Reporting

Results and outcomes of inspections, monitoring and auditing will be reported in accordance with Sections 3.9 and 3.10 of the CEMP.

In the event that an incident is raised as a non-compliance, within seven days of becoming aware of the non-compliance, the project will notify The Planning Secretary via the Major Projects website.

This notification will:

- Identify the CSSI (including the application number and the name of the CSSI)
- Identify the condition/s against which the CSSI is non-compliant
- The nature of the non-compliance
- If known, the reason for the non-compliance and
- What actions have been, or will be, undertaken to address the non-compliance

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Appendix A – COA A9 Consultation Summary Report

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Upper South Creek

Advanced Water Recycling Centre and Pipelines

CoA A9 Consultation Summary Report – Air Quality CEMP Sub-plan

Document Number: USCP-JHG-RPT-ENV-0001
Revision: 03



Revisions and Distribution

Distribution

There are no restrictions on the distribution or circulation of this Construction Environmental Plan within John Holland.

	Uncontrolled Copy
Authorised By: Date:	Rob Cranston (Project Director)

Revisions

Draft issues of this document shall be identified as Revision 01, 02, 03 etc. Upon initial issue (generally Contract Award) this shall be changed to a sequential number commencing at Revision A. Revision numbers shall commence at Rev. A, B etc.

Date	Rev	Remarks	Section	Prepared By	Reviewed By & Approved By
28-04-2023	01	Summary of consultation from AQCSP	All	M.Segaran	A.Harrington
03-05-2023	02	Update following ER review	All	M.Segaran	A.Harrington
26-05-2023	03	Updated following LCC Response	Section 2.2 and Appendix 4	M.Segaran	A.Harrington

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1 Introduction

1.1 Background

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.

The project will comprise 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.

The Department of Planning and Environment (DPE) issued the final Secretary's Environmental Assessment Requirements (SEARs) for the project in January 2021. Sydney Water prepared an Environmental Impact Statement (EIS) responding to these requirements, which was on public exhibition on the major projects planning portal for 28 days from 21/10/2021 to 17/11/2021. During this time, due to its importance, the project was declared to be State Significant Infrastructure (SSI) and Critical State Significant Infrastructure (CSSI) by the then Minister for Planning and Public Spaces on 9 November 2021. Sydney Water submitted an Amendment Report for the proposal on 11 March 2022. This report provided a description of amendments to the proposal that occurred since the exhibition of the EIS. The Amendment Report was on public exhibition on the major projects planning portal from 23 March 2022 to 05 April 2022.

On 28 November 2022, the Department of Planning and Environment (DPE) approved the construction and operation of the project (SSI 8609189) (herein referred to as the USC project).

Following determination of the project at a state level by the NSW Minister for Public Spaces, the project was referred to the Commonwealth Department of Climate Change, Energy, the Environment and Water (DCCEEW) for a decision about whether the project was likely to have a significant impact on any matters of national environmental significance under the Commonwealth Environment Protection and Biodiversity Conservation Act 1999.

A detailed description of the project is provided in Chapter 4 of the Upper South Creek AWRC Environmental Impact Statement (EIS), Volume 2.

The USC project will be built in stages, consisting of:

Stage 1

- building and operating the AWRC to treat a daily wastewater flow, known as the average dry weather flow (ADWF), of up to 50 megalitres per day (ML/day)
- building the treated water and brine pipelines to cater for up to 100 ML/day flow coming through the AWRC (but only operating them to transport and release volumes produced by Stage 1).

Future Stages

It is expected that the AWRC will ultimately require expansion to treat wastewater flows up to 100 ML/day. Sydney Water will remain flexible on the size and timing of these future upgrades to accommodate changes in population projections over time. Future stages will be subject to further environmental assessment.

Further detail on project staging is provided in the Upper South Creek AWRC EIS.

John Holland has been appointed by Sydney Water to deliver the USC project works, with detailed design and construction planning for treating a daily wastewater flow of up to 35ML/day. Greater flow capacities (including up to 50ML/day and 100ML/day, as explored in the EIS, are not covered in Stage 1. The environmental flows pipeline is not part of John Holland's scope.

1.2 Purpose of this Consultation Summary Report

This Consultation Summary Report has been prepared to meet the requirements of the CSSI approval, in particular Condition of Approval (CoA) A9. CoA A9 outlines the requirements for undertaking and documenting consultation undertaken during the preparation of approval documents or monitoring programs required under relevant CoA for those documents. This Consultation Summary Report has been prepared to consolidate the consultation undertaken during the preparation of the following document:

- CoA C4(h): Air Quality CEMP Sub-plan

Consultation required during development of this document is detailed in Table 1-1.

Table 1-1 Consultation Requirements

Reference	Document Name	Consultation Requirement
CoA C4(h)	Air Quality CEMP Sub-plan	• EPA • Relevant Councils

1.3 CoA Compliance

This section discusses the compliance of this Consultation Summary Report with the relevant CoA as applicable to consultation required to be undertaken during the development of the AQCSP.

Table 1-2 lists the applicable CoA, where and how they have been addressed in this Consultation Summary Report.

Table 1-2 CoA relevant to Consultation Summary Report

CoA ID	CoA Detail	How and where Addressed
A9	Where the terms of this approval require consultation to be undertaken, evidence of the consultation undertaken must be submitted to the Planning Secretary and ER (as relevant) with the corresponding documentation. The evidence must include:	This document (Consultation Summary Report)
A9	a) documentation of the engagement with the party identified in the condition of approval that has occurred before submitting the document for approval;	Section 2 and Appendices of Consultation Summary Report
A9	b) a log of the dates of engagement of attempted engagement with the identified party;	Section 2 and Appendices of Consultation Summary Report
A9	c) documentation of the follow-up with the identified party where engagement has not occurred to confirm that they do not wish to engage or have not attempted to engage after repeated invitations.	Section 2 and Appendices of Consultation Summary Report
A9	d) outline of the issues raised by the identified party and how they have been addressed	Section 2
A9	e) a description of the outstanding issues raised by the identified party and the reasons why they have not been addressed	Section 2
C4(h)	The following CEMP Sub-plans must be prepared in consultation with the relevant government agencies identified for each CEMP Sub-plan. Details of all information requested by an agency during consultation must be provided to the Planning Secretary as part of any submission of the relevant CEMP Sub-plan, including copies of all correspondence from those agencies as required by Condition A9. (h) Air Quality – EPA and relevant council(s)	Consultation Summary Report

1.4 Consultation Process

- Consultation with stakeholders and agencies was undertaken using the following means:
- Formal correspondence (DPE Portal Notifications)
- Formal correspondence (standard email)
- Phone Calls
- Microsoft Teams Workshops

2 Stakeholder and Agency Consultation

This Section of the Consultation Summary Report provides detail of consultation undertaken with each stakeholder and agency in the preparation of the AQCSP. In particular it contains:

A consultation log that identifies:

- Consultation dates (actual and attempted)
- Form of consultation
- Whether responses and / or comments were received
- Summary of the issues raised, including how they have been addressed

Documentary evidence of all the correspondence received and sent through the consultation phase is contained in the Appendices at the end of this Report. The Appendices and this Section are broken down by stakeholder and agency, not by issue.

2.1 AQCSP – EPA

Consultation with EPA commenced on 01 March 2023 and concluded 14 March 2023.

Table 2-1 below includes the details of engagement between USC and EPA regarding the AQCSP. Table 2-2 includes a summary of the issues raised, how those were addressed and closed out. Full evidence of correspondence is in Appendix 1 of this report.

Table 2-1 Engagement log – AQCSP – EPA

#	Date	Correspondence		From	Recipient
		Form / Type	Purpose		
1	01-03-2023	Email	Issuing of sub-plan for consultation in accordance with CoA C4	Alyce Harrington	Daniel Burchmore Trevor Wilson
2	13-03-2023	Email	Response to consultation. No comments raised	Daniel Burchmore	Alyce Harrington

Table 2-2 below summarises the consultation comments received from EPA on the AQCSP.

Table 2-2 Summary of issues – AQCSP – EPA

Document Section, CoA/REMM	Comment Raised	Date Raised	How Addressed / Justification Why Not Addressed
AQCSP	No Comments	13-03-2023	N/A

2.2 AQCSP – Relevant Councils

Consultation with the relevant councils commenced on 01 March 2023 and concluded 14 March 2023.

Table 2-3 below includes the details of engagement between USC and the relevant councils regarding the AQCSP. Table 2-4 includes a summary of the issues raised, how those were addressed and closed out. Full evidence of correspondence with relevant councils is provided in the following Appendices:

Appendix 2 - Wollondilly Shire Council

Appendix 3 - Penrith City Council

Appendix 4 - Liverpool City Council

Appendix 5 - Fairfield City Council

Appendix 6 - Canterbury Bankstown City Council

Table 2-3 Engagement log – AQCSP – Relevant Councils

#	Date	Correspondence		From	Recipient
		Form/Type	Purpose		
Wollondilly Shire Council					
1	01-03-2023	Email	Issuing of sub-plan for consultation in accordance with CoA C4	Alyce Harrington	Bianca Klein
2	08-03-2023	Meeting	Stakeholder Meeting with Council on 50% design completion	Michael Robertson Rama Sapkota	Ibrahim Muharrem Trent Davies Matthew Hardland Nafizul Akash
3	28-03-2023	Email	Acknowledgement of recent workshop and confirmation of key council contacts	Alyce Harrington	Bianca Klein Mathew Harland Nafizul Akash Ibrahim Muharrem
4	26-04-2023	Email	Notification regarding end of consultation period	Alyce Harrington	Bianca Klein Mathew Harland Nafizul Akash Ibrahim Muharrem
Penrith City Council					
1	01-03-2023	Email	Issuing of sub-plan for consultation in accordance with CoA C4	Alyce Harrington	Ari Fernando
2	01-03-2023	Email	Issuing of sub-plan for consultation in accordance with CoA C4	Alyce Harrington	Murray Halls
3	03-03-2023	Meeting	Stakeholder Meeting with Council on 50% design completion	Michael Robertson Rama Sapkota	Scott Jones Michael Middleton Adam Lowe Brad James Justine Vella Ari Fernando Payton Bradrock Murray Halls
4	20-04-2023	Email	Acknowledgement of extension request.	Alyce Harrington	Ari Fernando
5	26-04-2023	Email	Notification regarding end of consultation period	Alyce Harrington	Ari Fernando
Liverpool City					
1	01-03-2023	Email	Issuing of sub-plan for consultation in accordance with CoA C4	Alyce Harrington	Jerard Tungcab
2	09-03-2023	Meeting	Stakeholder Meeting with Council on 50% design completion	Michael Robertson Rama Sapkota	Jerard Tungcab Kweky Aikins Riham Gergis Stella Qu Mahavir Arya
3	24-03-2023	Phone Call	Query regarding the response date for the sub-plan	Jerard Tungcab	Alyce Harrington
4	26-04-2023	Email	Notification regarding end of consultation period	Alyce Harrington	Jerard Tungcab
5	08-05-2023	Email	Response to consultation	Jerard Tungcab	Alyce Harrington
Fairfield City Council					
1	01-03-2023	Email	Issuing of sub-plan for consultation in accordance with CoA C4	Alyce Harrington	Alison Mortimer
2	01-03-2023	Email	Forwarding of information to relevant individuals	Alison Mortimer	Alyce Harrington
3	13-03-2023	Meeting	Stakeholder Meeting with Council on 50% design completion	Michael Robertson Rama Sapkota	Andrew Mooney Kerren Ven Mursaleen Shah Zahid Hassan

4	03-04-2023	Email	Follow up on progression of all sub-plans comments	Alyce Harrington	Mursaleen Shah
5	04-04-2023	Email	Respond to follow up by John Holland	Mursaleen Shah	Alyce Harrington
6	04-04-2023	Email	Request to remove individual as point of contact	Mursaleen Shah	Alyce Harrington
7	26-04-2023	Email	Notification regarding end of consultation period	Alyce Harrington	Alison Mortimer Daniel Begnell Zahid Hassan mail@fairfieldcity.com.au
Canterbury Bankstown City Council					
1	01-03-2023	Email	Issuing of sub-plan for consultation in accordance with CoA C4	Alyce Harrington	Amita Maharjan
2	01-03-2023	Email	Issuing of sub-plan for consultation in accordance with CoA C4	Alyce Harrington	Tim Ireland Paul Angel Peter Lay Ryan Snape
3	13-03-2023	Email	Request for extension	David Milner	Alyce Harrington
4	17-03-2023	Meeting	Stakeholder Meeting with Council on 50% design completion	Michael Robertson Rama Sapkota	Cameron Crawford Glen Moody David Milner Paul Angel
5	29-03-2023	Email	Respond to consultation. No comments raised	David Milner	Alyce Harrington

Table 2-4 below summarises the consultation comments received from the relevant councils on the AQCSP.

Table 2-4 Summary of issues – AQCSP – Relevant Councils

Relevant Council	Document Section, CoA/REMM	Comment Raised	Date Raised	How Addressed / Justification Why Not Addressed
Wollondilly	AQCSP	No Response	N/A	N/A
Penrith	AQCSP	No Response	N/A	N/A
Liverpool	AQCSP	No Response	N/A	N/A
Fairfield	AQCSP	No Response	N/A	N/A
Canterbury Bankstown	AQCSP	No Comments	29-03-2023	N/A

Appendix 1 - EPA – Evidence of Consultation

From:	Alyce Harrington-JHG
To:	Mira Segaran-JHG
Subject:	FW: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation
Date:	Wednesday, 8 March 2023 2:13:46 PM
Attachments:	image001.png image002.png image003.png image004.png image005.png image006.png USCP-JHG-MPL-ENV-0009 Air Quality CEMP Sub-plan (Rev 03)_clean and consolidated.pdf USCP-JHG-MPL-ENV-0008 Upper South Creek CEMP (Rev 04)_clean and consolidated.pdf

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Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From: Alyce Harrington-JHG
Sent: Wednesday, 1 March 2023 7:25 PM
To: Daniel.Burchmore@epa.nsw.gov.au; Trevor.Wilson@epa.nsw.gov.au
Cc: CAHILL, CHERYL <CHERYL.CAHILL@sydneywater.com.au>; Cameron Varricchio <CAMERON.VARRICCHIO@sydneywater.com.au>; Rob Cranston-JHG <Rob.Cranston@jhg.com.au>; Jason Julius-JHG <Jason.Julius@jhg.com.au>; Michael McIlveen-JHG <Michael.McIlveen@jhg.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>
Subject: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation

Good afternoon Daniel and Trevor,

John Holland has recently been awarded a contract by Sydney Water to design, construct and commission Stage 1 of the Upper South Creek Advanced Water Recycling Centre and Pipelines Project (herein referred to as 'USC Project' or 'the Project'). The Project was approved by the Minister for Planning, Anthony Roberts on Monday 28 November 2022 (SSI-8609189) and in accordance with the relevant conditions of approval (CoA) C1 and C2, John Holland has prepared a Construction Environmental Management Plan (CEMP).

CoA C4 and CoA C13 requires a number of CEMP Sub-plans and Construction Monitoring Programs, respectively, to support the CEMP and they must be developed in consultation with relevant government agencies, including the NSW Environment Protection Authority (EPA). A list of the plans and programs relevant to the NSW EPA is provided below.

C4

a. Surface Water & Groundwater CEMP Sub-plan (USCP-JHG-MPL-ENV-0001) (SWGCSP)
c. Soils & Contamination CEMP Sub-plan (USCP-JHG-MPL-ENV-0003) (SCCSP)
e. Noise & Vibration CEMP Sub-plan (USCP-JHG-MPL-ENV-0007) (NVCSP)
h. Air Quality CEMP Sub-plan (USCP-JHG-MPL-ENV-0009) (AQCSP)

C13

a. Surface Water Quality Construction Monitoring Program (Appendix E of the SWGCSP)
b. Groundwater Construction Monitoring Program (Appendix F of the SWGCSP)
c. Noise & Vibration Construction Monitoring Program (Appendix E of the NVCSP)

John Holland proposes to issue the relevant plans and programs progressively, following review and approval by Sydney Water. As such, John Holland on behalf of Sydney Water, is please to present to the NSW EPA, the Air Quality CEMP Sub-plan (AQCSP, C4(h)). Please note that as there are a number of references to sections within the CEMP throughout the AQCSP, John Holland has also provided a copy of the CEMP for the NSW EPA's reference.

It would be greatly appreciated if any comments regarding this submission are provided by close of business Tuesday 14 March 2023.

If you have any questions regarding this submission, please contact me.

Kind Regards,

Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

Make flexibility work – if you receive an email from me outside of normal business hours, it's because I'm sending it at a time that suits me. I'm not expecting you to read it or reply until normal business hours.

From:	Alyce Harrington-JHG
To:	Mira Segaran-JHG
Subject:	Fwd: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation
Date:	Monday, 13 March 2023 3:32:30 PM
Attachments:	image007.png image008.png image009.png image010.png image011.png image012.png image013.png

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From: Daniel Burchmore <Daniel.Burchmore@epa.nsw.gov.au>
Sent: Monday, March 13, 2023 3:02:13 PM
To: Alyce Harrington-JHG <Alyce.Harrington@jhg.com.au>; Trevor Wilson <Trevor.Wilson@epa.nsw.gov.au>
Cc: CAHILL, CHERYL <CHERYL.CAHILL@sydneywater.com.au>; Cameron Varricchio <CAMERON.VARRICCHIO@sydneywater.com.au>; Rob Cranston-JHG <Rob.Cranston@jhg.com.au>; Jason Julius-JHG <Jason.Julius@jhg.com.au>; Michael McIlveen-JHG <Michael.McIlveen@jhg.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>
Subject: RE: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation

Hi Alyce,

Thanks for providing this. The EPA has no comments on the AQCSP.

Regards,

Daniel Burchmore
Senior Operations Officer
Regulatory Operations Metro South
NSW Environment Protection Authority
P 02 9995 5995

www.epa.nsw.gov.au @NSW_EPA

The EPA acknowledges the traditional custodians of the land and waters where we work. As part of the world's oldest surviving culture, we pay our respect to Aboriginal elders past, present and emerging.

Report pollution and environmental incidents 131 555 or +61 2 9995 5555

From: Alyce Harrington-JHG <Alyce.Harrington@jhg.com.au>
Sent: Wednesday, 1 March 2023 7:25 PM
To: Daniel Burchmore <Daniel.Burchmore@epa.nsw.gov.au>; Trevor Wilson

<Trevor.Wilson@epa.nsw.gov.au>
Cc: CAHILL, CHERYL <CHERYL.CAHILL@sydneywater.com.au>; Cameron Varricchio <CAMERON.VARRICCHIO@sydneywater.com.au>; Rob Cranston-JHG <Rob.Cranston@jhg.com.au>; Jason Julius-JHG <Jason.Julius@jhg.com.au>; Michael McIlveen-JHG <Michael.McIlveen@jhg.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>
Subject: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation

Good afternoon Daniel and Trevor,

John Holland has recently been awarded a contract by Sydney Water to design, construct and commission Stage 1 of the Upper South Creek Advanced Water Recycling Centre and Pipelines Project (herein referred to as 'USC Project' or 'the Project'). The Project was approved by the Minister for Planning, Anthony Roberts on Monday 28 November 2022 (SSI-8609189) and in accordance with the relevant conditions of approval (CoA) C1 and C2, John Holland has prepared a Construction Environmental Management Plan (CEMP).

CoA C4 and CoA C13 requires a number of CEMP Sub-plans and Construction Monitoring Programs, respectively, to support the CEMP and they must be developed in consultation with relevant government agencies, including the NSW Environment Protection Authority (EPA). A list of the plans and programs relevant to the NSW EPA is provided below.

C4

a. Surface Water & Groundwater CEMP Sub-plan (USCP-JHG-MPL-ENV-0001) (SWGCSP)
c. Soils & Contamination CEMP Sub-plan (USCP-JHG-MPL-ENV-0003) (SCCSP)
e. Noise & Vibration CEMP Sub-plan (USCP-JHG-MPL-ENV-0007) (NVCSP)
h. Air Quality CEMP Sub-plan (USCP-JHG-MPL-ENV-0009) (AQCSP)

C13

a. Surface Water Quality Construction Monitoring Program (Appendix E of the SWGCSP)
b. Groundwater Construction Monitoring Program (Appendix F of the SWGCSP)
c. Noise & Vibration Construction Monitoring Program (Appendix E of the NVCSP)

John Holland proposes to issue the relevant plans and programs progressively, following review and approval by Sydney Water. As such, John Holland on behalf of Sydney Water, is please to present to the NSW EPA, the Air Quality CEMP Sub-plan (AQCSP, C4(h)). Please note that as there are a number of references to sections within the CEMP throughout the AQCSP, John Holland has also provided a copy of the CEMP for the NSW EPA's reference.

It would be greatly appreciated if any comments regarding this submission are provided by close of business Tuesday 14 March 2023.

If you have any questions regarding this submission, please contact me.

Kind Regards,

Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

Make flexibility work – if you receive an email from me outside of normal business hours, it's because I'm sending it at a time that suits me. I'm not expecting you to read it or reply until normal business hours.

This email is intended for the addressee(s) named and may contain confidential and/or privileged information.
If you are not the intended recipient, please notify the sender and then delete it immediately.
Any views expressed in this email are those of the individual sender except where the sender expressly and with authority states them to be the views of the Environment Protection Authority.

PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS EMAIL

Appendix 2 - Wollondilly Shire Council – Evidence of Consultation

From:	Alyce Harrington-JHG
To:	Mira Segaran-JHG
Subject:	FW: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (WSC)
Date:	Wednesday, 8 March 2023 2:13:52 PM
Attachments:	USCP-JHG-MPL-ENV-0009 Air Quality CEMP Sub-plan (Rev 03)_clean and consolidated.pdf USCP-JHG-MPL-ENV-0008 Upper South Creek CEMP (Rev 04)_clean and consolidated.pdf image001.png image002.png image003.png image004.png image005.png image006.png

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Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

Make flexibility work – if you receive an email from me outside of normal business hours, it's because I'm sending it at a time that suits me. I'm not expecting you to read it or reply until normal business hours.

From: Alyce Harrington-JHG
Sent: Wednesday, 1 March 2023 7:35 PM
To: bianca.klein@wollondilly.nsw.gov.au
Cc: CAHILL, CHERYL <CHERYL.CAHILL@sydneywater.com.au>; Cameron Varricchio <CAMERON.VARRICCHIO@sydneywater.com.au>; Rob Cranston-JHG <Rob.Cranston@jhg.com.au>; Jason Julius-JHG <Jason.Julius@jhg.com.au>; Michael McIlveen-JHG <Michael.McIlveen@jhg.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>
Subject: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (WSC)

Good afternoon Bianca,

John Holland has recently been awarded a contract by Sydney Water to design, construct and commission Stage 1 of the Upper South Creek Advanced Water Recycling Centre and Pipelines Project (herein referred to as 'USC Project' or 'the Project'). The Project was approved by the Minister for Planning, Anthony Roberts on Monday 28 November 2022 (SSI-8609189) and in accordance with the relevant conditions of approval (CoA) C1 and C2, John Holland has prepared a Construction Environmental Management Plan (CEMP).

CoA C4 and CoA C13 requires a number of CEMP Sub-plans and Construction Monitoring Programs, respectively, to support the CEMP and they must be developed in consultation with relevant government agencies, including Wollondilly Shire Council (WSC). A list of the plans and programs relevant to WSC is provided below.

C4

a. Surface Water & Groundwater CEMP Sub-plan (USCP-JHG-MPL-ENV-0001) (SWGCSP)
b. Flood Emergency Response CEMP Sub-plan (USCP-JHG-MPL-ENV-0002) (FERCSP)
c. Soils & Contamination CEMP Sub-plan (USCP-JHG-MPL-ENV-0003) (SCCSP)
d. Biodiversity CEMP Sub-plan (USCP-JHG-MPL-ENV-0004) (BCSP)
e. Noise & Vibration CEMP Sub-plan (USCP-JHG-MPL-ENV-0007) (NVCSP)
f. Traffic & Transport CEMP Sub-plan (USCP-JHG-MPL-ENV-0005) (TTCSP)
g. Heritage CEMP Sub-plan (USCP-JHG-MPL-ENV-0006) (HCSP)
h. Air Quality CEMP Sub-plan (USCP-JHG-MPL-ENV-0009) (AQCSP)

C13

a. Surface Water Quality Construction Monitoring Program (Appendix E of the SWGCSP)
c. Noise & Vibration Construction Monitoring Program (Appendix E of the NVCSP)

John Holland proposes to issue the relevant plans and programs progressively, following review and approval by Sydney Water. As such, John Holland on behalf of Sydney Water, is please to present to WSC, the Air Quality CEMP Sub-plan (AQCSP, C4(h)). Please note that as there are a number of references to sections within the CEMP throughout the AQCSP, John Holland has also provided a copy of the CEMP for WSC reference.

It would be greatly appreciated if any comments regarding this submission are provided by close of business Monday 13 March 2023.

If you have any questions regarding this submission, please contact me.

Kind Regards,

Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From:	Alyce Harrington-JHG
To:	Mathew.Harland@wollondilly.nsw.gov.au; Nafizul.Akash@wollondilly.nsw.gov.au; Ibrahim.Muharrem@wollondilly.nsw.gov.au; bianca.klein@wollondilly.nsw.gov.au
Cc:	Michael Robertson-JHG; Rama Sapkota-JHG; Darragh O"Brien-JHG; Mira Segaran-JHG; Aidan O"Driscoll-JHG
Subject:	Upper South Creek (SSI 8906189) - CEMP & sub-plans
Date:	Tuesday, 28 March 2023 10:15:45 PM
Attachments:	image001.png image002.png image003.png image004.png image005.png image006.png USCP-JHG-MPL-ENV-0009 Air Quality CEMP Sub-plan (Rev 03) clean and consolidated.pdf USCP-JHG-MPL-ENV-0006 Heritage CEMP Sub-plan (Rev 03) clean and consolidated (2).pdf USCP-JHG-MPL-ENV-0007 Noise & Vibration CEMP Sub-plan (Rev 03) clean and consolidated (1).pdf USCP-JHG-MPL-ENV-0004 Biodiversity CEMP Sub-plan (Rev 03) clean and consolidated (1).pdf USCP-JHG-MPL-ENV-0003 Soils and Contamination CEMP Sub-plan (Rev 04) clean and consolidated (1).pdf USCP-JHG-MPL-ENV-0004 Flood Emergency Response CEMP Sub-plan (Rev 02) clean and consolidated.pdf

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Hello,

Recently, Wollondilly Shire Council has kindly participated in a stakeholder engagement meeting with John Holland in anticipation of the commencement of construction work within the relevant council area.

During the meeting, we made reference to the CEMP and associated sub-plans being issued to Bianca Klein as the initial point of contact through which these plans have been communicated. To ensure the plans are reaching the appropriate audience and subject matter experts within WSC, the documents have been attached again for review and comment.

Progressive submission of these documents commenced on Wednesday 01 March and it would be greatly appreciated if all comments regarding the submissions provided to date are returned by close of business Thursday 13 April 2023.

Please note that the final CEMP sub-plan (surface water and groundwater) is scheduled to be issued for WSC review and comment by the end of this week.

If you have any further questions, please do not hesitate to contact me.

Thank you,

Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From:	Darragh O"Brien-JHG
To:	Mira Segaran-JHG
Cc:	Alyce Harrington-JHG
Subject:	FW: Wollondilly Council meeting minutes 08.03.2023
Date:	Friday, 28 April 2023 8:04:14 AM
Attachments:	image001.png image002.png image003.png image004.png image005.png image006.png Wollondilly Shire Council Early Coordination Meeting (1).pdf 20230308_Wollondilly Council meeting minutes_FINAL (3).pdf image007.png image008.png image009.png image010.png image011.png image012.png

---

Hi Mira,

See below as discussed.

Regards,

Darragh O'Brien
Environment Lead
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 408927726
E. Darragh.O'Brien@jhg.com.au

Make flexibility work – if you receive an email from me outside of normal business hours, it's because I'm sending it at a time that suits me. I'm not expecting you to read it or reply until normal business hours.

From: Rama Sapkota-JHG <Rama.Sapkota@jhg.com.au>
Sent: Monday, 27 March 2023 1:27 PM
To: Mathew Harland <mathew.harland@wollondilly.nsw.gov.au>; ibrahim.muharrem@wollondilly.nsw.gov.au; Nafizul Akash <nafizul.akash@wollondilly.nsw.gov.au>
Cc: Aidan O'Driscoll-JHG <Aidan.O'Driscoll@jhg.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Mark Trethewy-JHG <Mark.Trethewy@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>; Rex Taka-JHG <Rex.Taka@jhg.com.au>
Subject: Wollondilly Council meeting minutes 08.03.2023

Hi All,

Please see attached meeting minutes from 08.03.2023.

The 50% design drawings are within the attached slide pack.

Thank you,

Rama Sapkota
Senior Community Engagement Advisor - Upper South Creek project

JOHN HOLLAND
M: 0447 633 275
W. johnholland.com.au



Meeting Minutes

Title	Stakeholder meeting with Wollondilly Shire Council on 50% design completion
Date	8/03/2023
Time	2:30pm
Held at	Teams Meeting

Chaired by	Michael Robertson
Minuted by	Rama Sapkota
Distribution Date	

Attendees List

Aidan O'Driscoll (AO), Construction Manager, JHG
Rex Taka (RT), Project Development Manager, JHG
Michael Robertson (MR), Community Manager, JHG
Mark Trethewey (MT), Sustainability Manager, JHG
Darragh O'Brien (DO), Environment Lead, JHG
Rama Sapkota (RS), Senior Community Advisor, JHG
Ibrahim Muharrem (IM), Acting environment assessment planner, Wollondilly Shire Council
Trent Davies (TD), Maintenance Engineer, Wollondilly Shire Council
Matthew Hardland (MH), Council Technical officer, Wollondilly Shire Council
Nafizul Akash (NA), Acting team leader Assets and Transport, Wollondilly Shire Council

Apologies List

Alyce Harrington (AH), Environment & Approvals Manager, JHG

IDescription / Action	By Whom	By When
Acknowledgement of Country	MR	
An introduction of the project and introduced the meeting attendees.	MR	
AO ran through the treated pipeline water overview, overview of the project in the area and gave overview of timing of design process. Some points discussed below: • Horizontal directional drill (HDD) under Nepean River • HDD under Silverdale Road		

IM mentioned that Wollondilly Council has a farm in Wallacia and would like the opportunity to reuse the treated water.

IM mentioned that they want zero impact to waterways and enquired about the methodology of work under the river. He also mentioned that farmers are keen for water and would like to use treated water.

ACTION: MR mentioned the project will provide treated water for non-drinking purposes in the Aerotropolis and treated water for environmental flows in the Nepean River system but he will put Sydney Water in touch with Council about water reuse opportunities.

AO advised that work will be underneath the creek and go across to other side of the bridge. AO mentioned that he would like to work within rock, silty soil is not ideal. The team will start HDD on the rock level, explained outlined micro-tunnel and HDD construction methods.

IM enquired what will be used to stabilise? Will it be Bentonite? If it is, then he raised concern that it might be harmful to the river.

AO confirmed that bentonite will be used to stabilise however the HDD will be quite deep in the rock. There will be an HDD rig on rock in Fowler Reserve which will calculate the pump pressure. Confident that work is going to be very deep in rock and there shouldn't be any impact to the waterways.

IM asked if there is any risk to the bed rock.

AO mentioned not at the depth we are going and the rocks have also been assessed for consistency and strength.

IM and AO spoke about trenching methodology.

AO shared project milestone, start dates, drill set up location and work location.

IM enquired if vegetation clearing required during these works?

AO mentioned that vegetation will be cleared during valve construction. AO confirmed there is no open trench on the riverbanks for the pipeline (but there is the outlet structure to be built on the riverbank on private property to the north).

IM asked about the trenching methodology and if the trench will be secured properly to minimise animals getting trapped.

AO mentioned that the trench will be fenced off and backfilling as the work progresses (with people observing the whole process).

Traffic

AO advised site set up will be at Silverdale Road and entry to site will be from there. There will be trucks and dog, semi trailers and light vehicles accessing the site.

The Nepean River will be the water release point.

AO mentioned they will monitor the traffic and won't be stopping traffic. There shouldn't be any impact to traffic as the work will be underneath the road.

MH enquired if traffic entering and existing Silverdale road will be managed by traffic control – will there be traffic control?

AO mentioned they are currently working on Traffic Management Plan and would like to work with Wollondilly Council and requested for a contact person. **ACTION: Council to nominate best contact person.**
Traffic Contact for John Holland, Upper South Creek AWRC: Balendra Kunaratnam kunaratnam.balendra@jhg.com.au; 0418 979 198

NA enquired if there is anything in the road reserve as most of the work is going through private property.
AO mentioned the access to Silverdale Rd will be through road reserve.

NA requested for better drawings.

ACTION: JHG to share 50% drawings by sharing this slide pack with Council. Complete

IM enquired if there will be trenching around significant trees which may result in damaging their roots. Is there any offset for tree removal? Previously, Sydney Water have offset tree removal. Wollondilly Council is open to planting additional trees, replanting/reinstate the disturbed areas and mitigate the biodiversity impacts.

ACTION: MT said his team would be interested to catch up about the replanting conversation/offset.

DO went through the environment slides and advised that CEMP and subplans have been sent to Council for consultation.

IM enquired if Controlled Activity Approval come through?

DO mentioned that management plan issued and should have been circulated.

ACTION: MR has since confirmed the plans were issued to Bianca Klein but will re-send to this group. RS sent the plans to the group on 10/03/2023. Complete

MT went through the sustainability slides.

MT – Requests if Wollondilly Council could please identify the best environment or sustainability contact to address further council and USC collaboration opportunities proposed on Sustainability slides (e.g. asset resilience in response to climate change, material/water/waste reuse/recycling opportunities)

IM asked what level the water is being treated at? They currently have good quality water and doesn't want it to be impacted. IM keen for alternate solution and link in any offset.

ACTION: MR provided a link to the EIS in the Teams chat during the meeting. Repeated here Upper South Creek Advanced Water Recycling Centre | Planning Portal - Department of Planning and Environment (nsw.gov.au)
For Council review Community & Stakeholder Engagement Plan and comment on the planned engagement activities and stakeholders
https://www.sydneywatertalk.com.au/53513/widgets/322594/documents/251449
Link to the project website: www.sydneywatertalk.com.au/uppersouthcreek

IM had questions around environment control, fracking and how Riparian Zone will be protected? Requested for a Controlled Activity Approval.

ACTION: JHG to set up a meeting to discuss methodology about how we are getting across the Nepean River and more detailed conversation as the design is getting finalised.

NA shared concerns about pipeline going underneath the bridge. During flooding, panels go missing. Upgrade to GFR system to make it easily accessible or for water to run

through would be ideal. He shared concerns around flood, pedestrian access on footpath and impacts to residents.

ACTION: Further meeting about traffic, pedestrian management and the drilling fluid return pipe.

ACTION: Make sure the people present from Wollondilly Council get copies of CEMP sub-plans previously sent by Alyce Harrington to Bianca Klein. Complete

ISSUES SUMMARY

- Interest in receiving treated water
- No impact to waterways
- Drilling fluid – fracking risk – CEMP contingencies
- Separation of topsoil and subsoil for reinstatement when trenching
- Vegetation removal in riparian zone - offset approach
- Fauna getting trapped in trenches during construction
- Traffic management on to Silverdale Road
- Drawings – Nafizul Akash
- Want to know to what classification the water is treated to?
- Primary concern is the discharge to the river. Prefer water gets reused by farms etc in the area than go to rivers. Important to reuse water than discharge it.
- Allow them time to review documents as they are under-resourced
- Question about damage to bridge during floods – install a GRF system?
- Pedestrian access across the bridge, particularly if there's a flood.

Could council please confirm the above list to allow the Project to be aware that council's key concerns are understood?

From:	Alyce Harrington-JHG
Bcc:	CAHILL, CHERYL; Cameron Varricchio; Michael Robertson-JHG; Rob Cranston-JHG; Jason Julius-JHG; Darragh O"Brien-JHG; Simone Kenyon-JHG; bianca.klein@wollondilly.nsw.gov.au; ari.fernando@penrith.city; tungcabj@liverpool.nsw.gov.au; Alison Mortimer; Daniel Begnell; mail@fairfieldcity.nsw.gov.au; Mathew Harland; Nafizul Akash; Ibrahim Muharrem; Zahid Hassan
Subject:	Upper South Creek (SSI-8609189) - CEMP and Sub-plans consultation period
Date:	Wednesday, 26 April 2023 4:44:00 PM
Attachments:	image001.png image002.png image003.png image004.png image005.png image006.png

Good afternoon,

Over recent weeks, John Holland on behalf of Sydney Water has been issuing documents to relevant government agencies and local councils in relation to the Upper South Creek Advanced Water Recycling Centre project.

These documents include the project's Construction Environmental Management Plan (CEMP) and associated sub-plans as summarised below:

- USC Construction Environmental Management Plan (CEMP)
- USC Air Quality CEMP Sub-plan
- USC Flood Emergency Response CEMP Sub-plan
- USC Heritage CEMP Sub-plan
- USC Biodiversity CEMP Sub-plan
- USC Noise & Vibration CEMP Sub-plan
- USC Traffic & Transport CEMP Sub-plan
- USC Surface Water & Groundwater CEMP Sub-plan
- USC Soils & Contamination CEMP Sub-plan

Please note that whilst the formal consultation period for the above documents has now ended, John Holland would welcome any future opportunity to engage with you on matters related to the project.

If you have any further questions related to this matter, please do not hesitate to contact me.

Kind Regards,

Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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Appendix 3 – Penrith City Council – Evidence of Consultation

From:	Alyce Harrington-JHG
To:	Mira Segaran-JHG
Subject:	FW: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (PCC)
Date:	Wednesday, 8 March 2023 2:13:58 PM
Attachments:	USCP-JHG-MPL-ENV-0009 Air Quality CEMP Sub-plan (Rev 03)_clean and consolidated.pdf USCP-JHG-MPL-ENV-0008 Upper South Creek CEMP (Rev 04)_clean and consolidated.pdf image001.png image002.png image003.png image004.png image005.png image006.png

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Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From: Alyce Harrington-JHG
Sent: Thursday, 2 March 2023 10:25 AM
To: ari.fernando@penrith.city
Cc: CAHILL, CHERYL <CHERYL.CAHILL@sydneywater.com.au>; Cameron Varricchio <CAMERON.VARRICCHIO@sydneywater.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>
Subject: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (PCC)

Good morning Ari,

John Holland has recently been awarded a contract by Sydney Water to design, construct and commission Stage 1 of the Upper South Creek Advanced Water Recycling Centre and Pipelines Project (herein referred to as 'USC Project' or 'the Project'). The Project was approved by the Minister for Planning, Anthony Roberts on Monday 28 November 2022 (SSI-8609189) and in accordance with the relevant conditions of approval (CoA) C1 and C2, John Holland has prepared a Construction Environmental Management Plan (CEMP).

CoA C4 and CoA C13 requires a number of CEMP Sub-plans and Construction Monitoring Programs, respectively, to support the CEMP and they must be developed in consultation with relevant government agencies, including Penrith City Council (PCC). A list of the plans and programs relevant to PCC is provided below.

C4

a. Surface Water & Groundwater CEMP Sub-plan (USCP-JHG-MPL-ENV-0001) (SWGCSP)
b. Flood Emergency Response CEMP Sub-plan (USCP-JHG-MPL-ENV-0002) (FERCSP)
c. Soils & Contamination CEMP Sub-plan (USCP-JHG-MPL-ENV-0003) (SCCSP)
d. Biodiversity CEMP Sub-plan (USCP-JHG-MPL-ENV-0004) (BCSP)
e. Noise & Vibration CEMP Sub-plan (USCP-JHG-MPL-ENV-0007) (NVCSP)
f. Traffic & Transport CEMP Sub-plan (USCP-JHG-MPL-ENV-0005) (TTCSP)
g. Heritage CEMP Sub-plan (USCP-JHG-MPL-ENV-0006) (HCSP)
h. Air Quality CEMP Sub-plan (USCP-JHG-MPL-ENV-0009) (AQCSP)

C13

a. Surface Water Quality Construction Monitoring Program (Appendix E of the SWGCSP)
c. Noise & Vibration Construction Monitoring Program (Appendix E of the NVCSP)

John Holland proposes to issue the relevant plans and programs progressively, following review and approval by Sydney Water. As such, John Holland on behalf of Sydney Water, is please to present to PCC, the Air Quality CEMP Sub-plan (AQCSP, C4(h)). Please note that as there are a number of references to sections within the CEMP throughout the AQCSP, John Holland has also provided a copy of the CEMP for PCC reference.

It would be greatly appreciated if any comments regarding this submission are provided by close of business Wednesday 15 March 2023.

If you have any questions regarding this submission, please contact me.

Kind Regards,

Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From:	Alyce Harrington-JHG
To:	Mira Segaran-JHG
Subject:	FW: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (PCC)
Date:	Wednesday, 8 March 2023 2:13:58 PM
Attachments:	USCP-JHG-MPL-ENV-0009 Air Quality CEMP Sub-plan (Rev 03)_clean and consolidated.pdf USCP-JHG-MPL-ENV-0008 Upper South Creek CEMP (Rev 04)_clean and consolidated.pdf image001.png image002.png image003.png image004.png image005.png image006.png

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Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From: Alyce Harrington-JHG
Sent: Wednesday, 1 March 2023 7:42 PM
To: murray.halls@penrithcity.nsw.gov.au
Cc: CAHILL, CHERYL <CHERYL.CAHILL@sydneywater.com.au>; Cameron Varricchio <CAMERON.VARRICCHIO@sydneywater.com.au>; Rob Cranston-JHG <Rob.Cranston@jhg.com.au>; Jason Julius-JHG <Jason.Julius@jhg.com.au>; Michael McIlveen-JHG <Michael.McIlveen@jhg.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>
Subject: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (PCC)

Good afternoon Murray,

John Holland has recently been awarded a contract by Sydney Water to design, construct and commission Stage 1 of the Upper South Creek Advanced Water Recycling Centre and Pipelines Project (herein referred to as 'USC Project' or 'the Project'). The Project was approved by the Minister for Planning, Anthony Roberts on Monday 28 November 2022 (SSI-8609189) and in accordance with the relevant conditions of approval (CoA) C1 and C2, John Holland has prepared a Construction Environmental Management Plan (CEMP).

CoA C4 and CoA C13 requires a number of CEMP Sub-plans and Construction Monitoring Programs, respectively, to support the CEMP and they must be developed in consultation with relevant government agencies, including Penrith City Council (PCC). A list of the plans and programs relevant to PCC is provided below.

From:	Alyce Harrington-JHG
To:	ari.fernando@penrith.city
Cc:	CAHILL, CHERYL; Cameron Varricchio; Darragh O"Brien-JHG; Michael Robertson-JHG; Mira Segaran-JHG; Jason Julius-JHG; Rob Cranston-JHG
Subject:	Upper South Creek - CEMP and Sub-plan comments
Date:	Thursday, 20 April 2023 12:50:58 PM
Attachments:	image001.png image002.png image003.png image004.png image005.png image006.png

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Good Afternoon Ari,

Hope you are well.

I'm following up on recent correspondence from myself regarding the Upper South Creek CEMP and Sub-plans that have been issued to relevant local councils progressively, including Penrith City Council, since the 01 March 2023. I note your recent email requesting an extension to the 20 April 2023 for the Surface Water & Groundwater CEMP sub-plan and the Traffic & Transport CEMP Sub-plan.

Was there any feedback that Penrith City Council wished to provide regarding any of the plans issued?

To summarise again, the documents include:

- USC Construction Environmental Management Plan (CEMP)
- USC Air Quality CEMP Sub-plan
- USC Flood Emergency Response CEMP Sub-plan
- USC Heritage CEMP Sub-plan
- USC Biodiversity CEMP Sub-plan
- USC Noise & Vibration CEMP Sub-plan
- USC Traffic & Transport CEMP Sub-plan
- USC Surface Water & Groundwater CEMP Sub-plan
- USC Soils & Contamination CEMP Sub-plan

Please feel free to contact me if you need to discuss anything further.

Thank you,

Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

From:	Alyce Harrington-JHG
To:	Mira Segaran-JHG
Subject:	FW: Penrith Council meeting minutes 3.03.2023
Date:	Friday, 28 April 2023 7:44:04 AM
Attachments:	image001.png image002.png image003.png image004.png image005.png image006.png Penrith City Council Early Coordination Meeting1.pdf 20230303_Penrith Council meeting minutes_FINAL.pdf image007.png image008.png image009.png image010.png image011.png image012.png

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Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

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E. Alyce.Harrington@jhg.com.au

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From: Rama Sapkota-JHG <Rama.Sapkota@jhg.com.au>
Sent: Friday, 17 March 2023 3:20 PM
To: ari.fernando@penrith.city; Murray.halls@penrith.city; adam.lowe@penrith.city; Michael.Middleton@penrith.city; Justine.Vella@penrith.city
Cc: Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Alyce Harrington-JHG <Alyce.Harrington@jhg.com.au>; Mark Trethewy-JHG <Mark.Trethewy@jhg.com.au>; Aidan O'Driscoll-JHG <Aidan.O'Driscoll@jhg.com.au>; NORTH, GEMMA <GEMMA.NORTH@sydneywater.com.au>
Subject: Penrith Council meeting minutes 3.03.2023

Hi all,

Please see attached meeting minutes from 03.03.2023.

Thank you,

Rama Sapkota
Senior Community Engagement Advisor - Upper South Creek project

JOHN HOLLAND

Meeting Minutes

Title	Stakeholder meeting with Penrith City Council (PCC) on 50% design completion
Date	3/03/2023
Time	2:00pm
Held at	Teams Meeting

Chaired by	Michael Robertson
Minuted by	Rama Sapkota
Distribution Date	

Attendees List

Aidan O'Driscoll (AO), Construction Manager, JHG
Alyce Harrington (AH), Environment & Approvals Manager, JHG
Michael Robertson (MR), Community Manager, JHG
Mark Trethewey (MT), Sustainability Manager, JHG
Rama Sapkota (RS), Senior Community Advisor, JHG
Gemma North (GN), Community Advisor, SW
Scott Jones (SJ), Utilities Coordination Manager, PCC
Michael Middleton (MM), Environmental Health Coordinator, PCC
Adam Lowe (AL), Asset Coordinator: Parks and Open Space, PCC
Brad James (BJ), Asset Officer, PCC
Justine Vella (JV), Bushland Management Coordinator, PCC
Ari Fernando (AF), PCC
Payton Bradcock (PB), Asset Officer, PCC
Murray Halls (MH), PCC

Apologies List

Oliver De Paz, Asset Coordinator - Permits and Inspections, PCC

Anne Richardson, Strategic Asset Management Coordinator, PCC

Lynden Tandy, Business Administration Support Officer – Road Assets, PCC

ID	Description / Action	By Whom	By When
	Acknowledgement of Country	MR	

An introduction of the project and introduced the meeting attendees. MR

AO ran through the treated pipeline water overview, overview of the project in the area and gave overview of timing of design process. Some points discussed below:

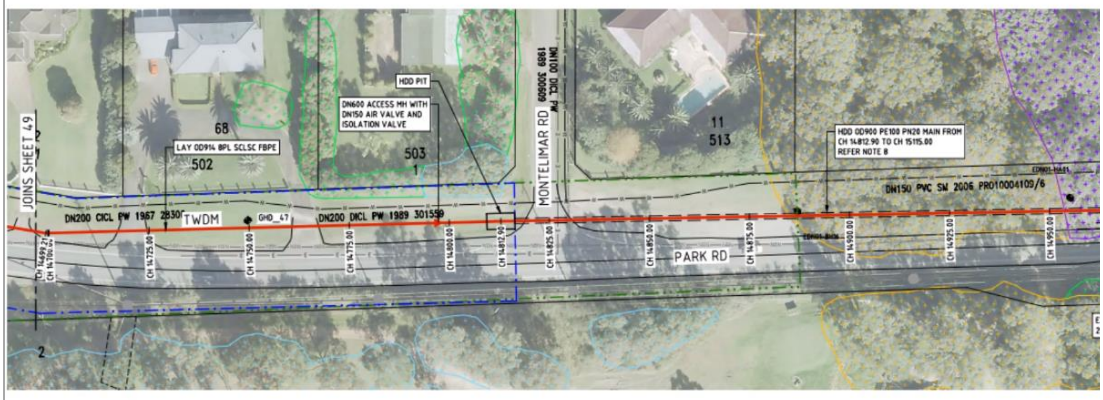
- Open trench to Luddenham Road
- The Northern Road HDD or boring
- Park Road, south side on the verge and working on a design to reduce impact on local traffic [threatened orchids are northern side]
- Jerry's creek crossing
- Nepean River – HDD under the river

MM enquired about the methodology of going under the river.

AO mentioned that he would like to work with rock, silty soil is not ideal. The team will start HDD on the rock level, explained outlined micro-tunnel and HDD construction methods. He mentioned there will be two pits either side of the Northern Road.

SJ enquired about Park Road and resident access and impacts. He enquired if it will be open excavation or boring.

AO advised there are impacts to couple of driveways and went through the design drawing below.



AO advised there are impacts to some driveways on Park Road.

Some driveway access will be temporarily blocked for short periods during open excavation. He went through how the team on the ground will facilitate access during construction, temporary access lanes could be created as fences are set back from road. He further mentioned there will a rig set up at Jerrys' Creek. There will be trenching work on Driver Avenue.

MM enquired if they will be trenching on nature strip or the road. He enquired if the excavation will be close to the trees and if an arborist report was done. He enquired about the hours of operation and if the work will be day or night work.

Any requirement to undertake work outside of standard daytime construction hours will be in accordance with relevant conditions of the Environmental Protection License to be obtained by John Holland in consultation with the NSW EPA.

MM enquired of there will be consultation with residents before the works begin and if there will be door knocking.

MR advised that there will be face to face consultation with residents around the pipeline, especially the residents that are closer to the pipeline. There will be notifications and online communication with the wider community.

ACTION: PCC to review Community & Stakeholder Engagement Plan and comment on the planned engagement activities and stakeholders
https://www.sydneywatertalk.com.au/53513/widgets/322594/documents/251449
Link to the project website: www.sydneywatertalk.com.au/uppersouthcreek

MM enquired about the roadside vegetation with JV and had an internal discussion around disturbance to the reserve. JV is aware of the environment assessment carried out by JH and SW and was satisfied with the outcome.

MM raised concern around vegetation on PCC land.
MH enquired about Riverbank and fish habitat and asked if it is in danger?

AO and MR advised the work will be well below the fish habitat.

SJ and JV spoke about machinery access around or near Fowler reserve. JV advised that she has gone through all the impacts with the site team previously and understands that impact to the embankment won't be fully eliminated. SJ mentioned that it is a steep embankment and wanted to know where the machinery will be stored. SJ flagged that environment assessment and bio-diversity should be looked into.

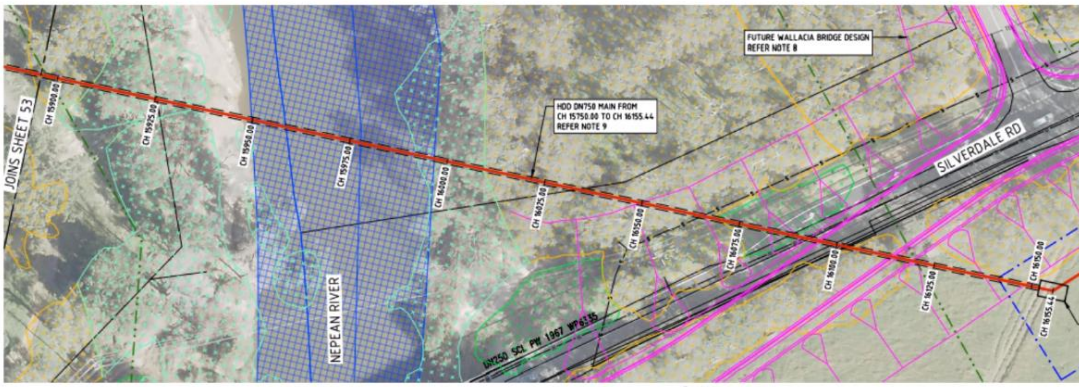
ACTION: AH and MR to speak with JV further about construction approach and vegetation removal near Shelley Road and Fowler Reserve.

AO advised them of the machinery storage location.

ACTION: MR and AO advised we can facilitate an on site meeting to go through construction methodology on site regarding the drilling fluid return pipe.

AO went through the construction methodology around HDD.

SJ shared concerns around pedestrian access on the bridge.



AO advised there may be a possibility of traffic control to help with pedestrian access on site however the drill will be there 24/7.

AF spoke to the above drawing and advised to speak to Wollondilly Council about the pier.

SJ advised that he would like more information on impacts to private properties and restoration piece on Park Road.

ACTION: AO to provide more information about the design along Park Road including any tree removal.

AF requested plans of the old Northern Road and AO went through the drawing with him. AF advised that the Old Northern Road is/will be Council Road, it will no longer state road.

AF enquired about what will happen at Park Road and Northern Road intersection.

AH and MT went through the environmental and sustainability items and encouraged to provide feedback as the sub-plans are being finalised and encouraged open engagement between Council and the USC project.

MT – Requests if Council could please identify the best environment or sustainability contact to address further council and USC collaboration opportunities proposed on Sustainability slides (e.g. asset resilience in response to climate change, material/water/waste reuse/recycling opportunities).

BJ requested a dedicated contact for permits.

ACTION: AO to respond to BJ about permits.

AL enquired about Fowler Reserve, is there is potential for something to sink? AL advised to make safe or make good Fowler Reserve when the work is completed. He had concerns around restoration as other contractors/projects have caused damage previously and unable to get an outcome once they leave the area. He doesn't want any damage to any Council assets.

AO advised that USC project team will be there even after the completion of the project and will restore it properly.

AF enquired about access road on Clifton Avenue or future road for the treatment plant and who does the ownership of that road sit with. Will it be SW private road? Who will be maintaining the access road?

ACTION: MR to ask Sydney Water's WRDT project team to provide information about access road to AF.

AF advised that Traffic Management and impact on local residents is a concern.

MR summarised the issues and asked if there were more questions.

JV enquired are you holding a stall at the Wallacia Community Festival in April?

MR advised that he has been invited and would like to discuss this with JV next week.

MM requested for a clear contact should Council receive resident concerns for noise, dust or other environmental health impacts.

MR provided the project 1800 064 127 number for future contact.

AO advised about site specific Traffic Management Plan and would like to workshop with PCC.

ACTION: JH and PCC agreed that there will be specific targeted meetings on an as-needs basis going forward rather than regular coordination meetings. AF will be the main point of contact and will arrange specific teams to attend the meeting.

Summary of key issues or interests raised by Council

- Impacts of pipeline under waterways
- Parking and traffic impacts on Park Road and Driver Avenue
- Blocking driveways and trenching through driveways during construction
- Vegetation removal including on Park Road and near Shelley Road / Fowler Reserve
- Working hours in residential areas
- Protecting fish habitat structure on Nepean River near Fowler Reserve

- Construction works on or near Silverdale Road bridge including pedestrian management
- Requests for work permits including within Council's road reserves
- Traffic management
- Restoration of Fowler Reserve

Could council please confirm the above list to allow the Project to be aware that council's key concerns are understood?

From:	Alyce Harrington-JHG
Bcc:	CAHILL, CHERYL; Cameron Varricchio; Michael Robertson-JHG; Rob Cranston-JHG; Jason Julius-JHG; Darragh O"Brien-JHG; Simone Kenyon-JHG; bianca.klein@wollondilly.nsw.gov.au; ari.fernando@penrith.city; tungcabj@liverpool.nsw.gov.au; Alison Mortimer; Daniel Begnell; mail@fairfieldcity.nsw.gov.au; Mathew Harland; Nafizul Akash; Ibrahim Muharrem; Zahid Hassan
Subject:	Upper South Creek (SSI-8609189) - CEMP and Sub-plans consultation period
Date:	Wednesday, 26 April 2023 4:44:00 PM
Attachments:	image001.png image002.png image003.png image004.png image005.png image006.png

Good afternoon,

Over recent weeks, John Holland on behalf of Sydney Water has been issuing documents to relevant government agencies and local councils in relation to the Upper South Creek Advanced Water Recycling Centre project.

These documents include the project's Construction Environmental Management Plan (CEMP) and associated sub-plans as summarised below:

- USC Construction Environmental Management Plan (CEMP)
- USC Air Quality CEMP Sub-plan
- USC Flood Emergency Response CEMP Sub-plan
- USC Heritage CEMP Sub-plan
- USC Biodiversity CEMP Sub-plan
- USC Noise & Vibration CEMP Sub-plan
- USC Traffic & Transport CEMP Sub-plan
- USC Surface Water & Groundwater CEMP Sub-plan
- USC Soils & Contamination CEMP Sub-plan

Please note that whilst the formal consultation period for the above documents has now ended, John Holland would welcome any future opportunity to engage with you on matters related to the project.

If you have any further questions related to this matter, please do not hesitate to contact me.

Kind Regards,

Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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Appendix 4 - Liverpool City Council – Evidence of Consultation

From:	Alyce Harrington-JHG
To:	Mira Segaran-JHG
Subject:	FW: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (LCC)
Date:	Wednesday, 8 March 2023 2:13:51 PM
Attachments:	USCP-JHG-MPL-ENV-0009 Air Quality CEMP Sub-plan (Rev 03)_clean and consolidated.pdf USCP-JHG-MPL-ENV-0008 Upper South Creek CEMP (Rev 04)_clean and consolidated.pdf image001.png image002.png image003.png image004.png image005.png image006.png

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Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From: Alyce Harrington-JHG
Sent: Wednesday, 1 March 2023 7:59 PM
To: tungcabj@liverpool.nsw.gov.au
Cc: CAHILL, CHERYL <CHERYL.CAHILL@sydneywater.com.au>; Cameron Varricchio <CAMERON.VARRICCHIO@sydneywater.com.au>; Rob Cranston-JHG <Rob.Cranston@jhg.com.au>; Jason Julius-JHG <Jason.Julius@jhg.com.au>; Michael McIlveen-JHG <Michael.McIlveen@jhg.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>
Subject: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (LCC)

Good afternoon Jerard,

John Holland has recently been awarded a contract by Sydney Water to design, construct and commission Stage 1 of the Upper South Creek Advanced Water Recycling Centre and Pipelines Project (herein referred to as 'USC Project' or 'the Project'). The Project was approved by the Minister for Planning, Anthony Roberts on Monday 28 November 2022 (SSI-8609189) and in accordance with the relevant conditions of approval (CoA) C1 and C2, John Holland has prepared a Construction Environmental Management Plan (CEMP).

CoA C4 and CoA C13 requires a number of CEMP Sub-plans and Construction Monitoring Programs, respectively, to support the CEMP and they must be developed in consultation with relevant government agencies, including Liverpool City Council (LCC). A list of the plans and programs relevant to LCC is provided below.

C4

a. Surface Water & Groundwater CEMP Sub-plan (USCP-JHG-MPL-ENV-0001) (SWGCSP)
b. Flood Emergency Response CEMP Sub-plan (USCP-JHG-MPL-ENV-0002) (FERCSP)
c. Soils & Contamination CEMP Sub-plan (USCP-JHG-MPL-ENV-0003) (SCCSP)
d. Biodiversity CEMP Sub-plan (USCP-JHG-MPL-ENV-0004) (BCSP)
e. Noise & Vibration CEMP Sub-plan (USCP-JHG-MPL-ENV-0007) (NVCSP)
f. Traffic & Transport CEMP Sub-plan (USCP-JHG-MPL-ENV-0005) (TTCSP)
g. Heritage CEMP Sub-plan (USCP-JHG-MPL-ENV-0006) (HCSP)
h. Air Quality CEMP Sub-plan (USCP-JHG-MPL-ENV-0009) (AQCSP)

C13

a. Surface Water Quality Construction Monitoring Program (Appendix E of the SWGCSP)
c. Noise & Vibration Construction Monitoring Program (Appendix E of the NVCSP)

John Holland proposes to issue the relevant plans and programs progressively, following review and approval by Sydney Water. As such, John Holland on behalf of Sydney Water, is please to present to LCC, the Air Quality CEMP Sub-plan (AQCSP, C4(h)). Please note that as there are a number of references to sections within the CEMP throughout the AQCSP, John Holland has also provided a copy of the CEMP for LCC reference.

It would be greatly appreciated if any comments regarding this submission are provided by close of business Tuesday 14 March 2023.

If you have any questions regarding this submission, please contact me.

Kind Regards,

Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From:	Alyce Harrington-JHG
To:	tungcabj@liverpool.nsw.gov.au
Cc:	CAHILL, CHERYL; Cameron Varricchio; Mira Segaran-JHG; Michael Robertson-JHG
Subject:	Upper South Creek (SSI-8609189) - LCC - CEMP Sub-plan consultation feedback
Date:	Friday, 24 March 2023 4:39:39 PM
Attachments:	image001.png image002.png image003.png image004.png image005.png image006.png

Hello Jerard,

It was good to chat with you earlier this afternoon, I really appreciate the call.

As discussed, John Holland on behalf of Sydney Water have issued the Upper South Creek CEMP and Sub-plans in a progressive fashion and would appreciate it if Council could issue back as soon as possible, any plans that have comments available.

You indicated that the Flood Emergency Response and Heritage CEMP Sub-plans have comments, so if you could please send those through now, we can get working on them straight away.

With regard to the remaining plans (including the Traffic & Transport and Surface Water & Groundwater CEMP Sub-plans to be issued imminently), could Council please provide any remaining comments by COB Monday 03 April 2023.

Thank you again and please reach out if you have any other questions.

Cheers,

Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From:	Alyce Harrington-JHG
To:	Mira Segaran-JHG
Subject:	FW: Liverpool Council meeting minutes 09.03.2023
Date:	Friday, 28 April 2023 7:44:04 AM
Attachments:	Liverpool City Council Early Coordination Meeting (1).pdf 20230309_Liverpool Council meeting minutes_FINAL (1).pdf image001.png image002.png image003.png image004.png image005.png image006.png image007.png image008.png image009.png image010.png image011.png image012.png

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Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

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Level 3, 65 Pirrama Road, Pyrmont NSW
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From: Rama Sapkota-JHG <Rama.Sapkota@jhg.com.au>
Sent: Monday, 27 March 2023 1:33 PM
To: GergisR@liverpool.nsw.gov.au; SuryaprakashA@liverpool.nsw.gov.au; WiafeC@liverpool.nsw.gov.au; qus@liverpool.nsw.gov.au; aikinsk@liverpool.nsw.gov.au
Cc: Belinda Dechnik-JHG <Belinda.Dechnik@jhg.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>; Aidan O'Driscoll-JHG <Aidan.O'Driscoll@jhg.com.au>; Alyce Harrington-JHG <Alyce.Harrington@jhg.com.au>; Mark Trethewy-JHG <Mark.Trethewy@jhg.com.au>
Subject: Liverpool Council meeting minutes 09.03.2023

Hi All,

Please see attached meeting minutes from 09.03.2023.

The 50% design drawings are within the attached slide pack.

Thank you,

Rama Sapkota
Senior Community Engagement Advisor - Upper South Creek project

Meeting Minutes

Title	Stakeholder meeting with Liverpool City Council on 50% design completion
Date	9/03/2023
Time	2:00pm
Held at	Teams Meeting

Chaired by	Michael Robertson
Minuted by	Rama Sapkota
Distribution Date	

Attendees List

Aidan O'Driscoll (AO), Construction Manager, JHG
Michael Robertson (MR), Community Manager, JHG
Belinda Dechnik (BD) Environment and Sustainability Advisor, JHG
Darragh O'Brien (DO), Environment Lead, JHG
Rama Sapkota (RS), Senior Community Advisor, JHG
Jerard Tungcab (JT), Strategic Planner, Liverpool City Council
Kweku Aikins (KA), Acting Executive Planner, Liverpool City Council
Riham Gergis (RG), Approval Officer, Liverpool City Council
Stella Qu (SQ), Council Planner, Liverpool City Council
Mahavir Arya (MA), Liverpool City Council

Apologies List

Alyce Harrington (AH), Environment & Approvals Manager, JHG
Mark Trethewey (MT), Sustainability Manager, JHG

IDescription / Action	By Whom	By When
Acknowledgement of Country	MR	
An introduction of the project and introduced the meeting attendees.	MR	
Will have more focused meeting with Traffic team and Council in future	MR	
AO went through the treated pipeline water overview, overview of the project in the area and gave overview of timing of design process.		

MR mentioned the treated pipeline is outside of Liverpool LGA but happy to share details if requested.

RG enquired about the Construction Traffic Management Plan (CTMP) and would like to get the contact in JHG to liaise with directly. **ACTION: AO to follow up with RG about traffic management and permit applications.**

Traffic Contact for John Holland, Upper South Creek AWRC: Balendra Kunaratnam
kunaratnam.balendra@jhg.com.au; 0418 979 198

RG is responsible for ROL. Some points she flagged:

- Location near the school will require consultation with the schools so there are no conflicting issues with them. HSC period should be considered if work is located near a high school
- Dilapidation report to be prepared before starting work, restoration works
- Road opening permit can be applied online
- Things to consider are CTMP, road occupancy, road opening and dilapidation reports

ACTION for Council: Send details for road opening representative.

SQ advised to consult with the school and update the CTMP accordingly to minimise impacts. She also advised that Sydney Metro placed electrical powerline underneath the road last year, but she is not sure if electrical lines are within the verge or middle of the road.

ACTION: JHG currently developing a CTMP and will consult with Council. JHG to consult with School. JHG have addressed the consultation approach in the Community & Stakeholder Engagement Plan.

AO went through the locations of works and advised the work will be going through residential streets at Cecil Park. The construction team will aim to keep the impacts to a minimum but there will be traffic changes and some noise and dust.

RG enquired about the work hours and noted that there will be restricted hours for road closures noting that there will be no closures during peak hours. Details to be confirmed by JHG in the CTMP.

MA enquired about the depth of the pipe. What is the length of pipe in one day?

AO explained the methodology of pipe placement and advised that there will be multiple crews working along the project alignment.

MA enquired about parking plant on the road, how it will be protected, safety of the plant and enquired if 2-way movement will be allowed? How long will the work take?

AO advised that works will be 6 months plus.

MA flagged that Kennards have carried out work at Cross Street. Electrical work for the airport has also been carried out at this location. He noted that 750mm pipe depth is not sufficient. There is a risk associated with that and advised it is better to have the pipe deeper so it doesn't impact the future development of the road. MA advised he is not aware of any development plans currently. He flagged that Council don't want to relocate the pipeline when there is road construction in future. He is unable to comment on what depth is recommended.

AO advised he will take MA's feedback to the designers.

ACTION: Longitudual/Vertical design to be passed on to the Council when ready. JHG will issue a 90% detailed design on late May 2023.

MA enquired about where the valve is placed?

AO spoke about the methodology around valve construction and placement.

ACTION: AO to check the road centre line and where the valve will be. JHG will issue a 90% detailed design on 15 May 2023.

MA enquired what kind of pipe is being used?

AO advised PVC pipeline.

MA raised concerns around this for future works in the area.

AO advised the detailed design is 4-6 weeks from 90% design.

Council asked if there was any impact to bus stops? If yes, consult with the bus companies if they need to be relocated.

Council's maintenance team should be involved in these meetings and discussions.

MA will review the design plan and will let the project team know if the pipeline needs to be deeper. MA also enquired if Cowpasture Road will be underbored or trenched?

AO advised the intersection at Cowapasture Road will be underbored. The pit will be located on the shoulder.

MA mentioned there is a lot of services at that location and the pit is in close proximity to the roundabout.

DO went through the environment slide.

JT advised that he has received some management plans which he has circulated internally but is missing Traffic, contamination and air quality plans.

ACTION: DO and JT to coordinate to see which management plans have been sent. Complete

MA will pass on the information to Council's environment team, requested for slides and management plans.

BD went through the sustainability slides.

BD – Requests if Liverpool Council could please identify the best environment or sustainability contact to address further council and USC collaboration opportunities proposed on Sustainability slides (e.g. asset resilience in response to climate change, material/water/waste reuse/recycling opportunities).

JT enquired if there have been any changes to sustainability since the planning phase, they didn't have any comments on that and if there are any significant changes.

BD advised there hasn't been any significant changes since the planning. The team is currently getting into more details of the sustainability requirements.

MR went through the community slides and enquired if there are community festivals or events coming up that JHG could consider attending? If so please let him know. He also requested for feedback on the Community, Stakeholder and Engagement Plan (later sent the Plan to Jerard for distribution within Council).

ACTION: Liverpool Council to review Community & Stakeholder Engagement Plan and comment on the planned engagement activities and stakeholders https://www.sydneywatertalk.com.au/53513/widgets/322594/documents/251449

Link to the project website: www.sydneywatertalk.com.au/uppersouthcreek

MR summarised the meeting and gave an overview of the issues discussed.

Issues summary

- Consultation with residents and schools particularly around HSC times
- Road occupancy/opening permits and restoration approach (do dilap reports)
- Interest in Construction Traffic Management Plan
- Work hours – suggestion for night work (avoiding peak hours) on very busy roads
- Parking and safety of our machinery (and pedestrians) overnight
- Duration of work in this LGA
- Coordination with other project teams and understanding location of other underground assets

- Depth of pipe on Cross Street – deep enough to allow for potential future upgrade of Cross Street? Widening could be 8 metres road too
- Location of HDD pit near roundabout at corner of N Liverpool Road and Capricorn Boulevard
- Request for Shape files
- Site compound will be located where there are HDD.
- Site access arrangements.

Could council please confirm the above list to allow the Project to be aware that council's key concerns are understood?

From:	Alyce Harrington-JHG
Bcc:	CAHILL, CHERYL; Cameron Varricchio; Michael Robertson-JHG; Rob Cranston-JHG; Jason Julius-JHG; Darragh O"Brien-JHG; Simone Kenyon-JHG; bianca.klein@wollondilly.nsw.gov.au; ari.fernando@penrith.city; tungcabj@liverpool.nsw.gov.au; Alison Mortimer; Daniel Begnell; mail@fairfieldcity.nsw.gov.au; Mathew Harland; Nafizul Akash; Ibrahim Muharrem; Zahid Hassan
Subject:	Upper South Creek (SSI-8609189) - CEMP and Sub-plans consultation period
Date:	Wednesday, 26 April 2023 4:44:00 PM
Attachments:	image001.png image002.png image003.png image004.png image005.png image006.png

Good afternoon,

Over recent weeks, John Holland on behalf of Sydney Water has been issuing documents to relevant government agencies and local councils in relation to the Upper South Creek Advanced Water Recycling Centre project.

These documents include the project's Construction Environmental Management Plan (CEMP) and associated sub-plans as summarised below:

- USC Construction Environmental Management Plan (CEMP)
- USC Air Quality CEMP Sub-plan
- USC Flood Emergency Response CEMP Sub-plan
- USC Heritage CEMP Sub-plan
- USC Biodiversity CEMP Sub-plan
- USC Noise & Vibration CEMP Sub-plan
- USC Traffic & Transport CEMP Sub-plan
- USC Surface Water & Groundwater CEMP Sub-plan
- USC Soils & Contamination CEMP Sub-plan

Please note that whilst the formal consultation period for the above documents has now ended, John Holland would welcome any future opportunity to engage with you on matters related to the project.

If you have any further questions related to this matter, please do not hesitate to contact me.

Kind Regards,

Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

Make flexibility work – if you receive an email from me outside of normal business hours, it's because I'm sending it at a time that suits me. I'm not expecting you to read it or reply until normal business hours.

From: Alyce Harrington-JHG
To: Mira Segaran-JHG
Subject: FW: Upper South Creek (SSI-8609189) - CEMP and Sub-plans consultation period
Date: Monday, 8 May 2023 2:31:47 PM
Attachments: image012.png
image013.png
image014.png
image015.png
image016.png
image017.png
AWRC CEMP - Liverpool City Council - Response(2).pdf

FYI

Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

Make flexibility work – if you receive an email from me outside of normal business hours, it's because I'm sending it at a time that suits me. I'm not expecting you to read it or reply until normal business hours.

From: Jerard Tungcab <TungcabJ@liverpool.nsw.gov.au>
Sent: Monday, 8 May 2023 2:23 PM
To: Alyce Harrington-JHG <Alyce.Harrington@jhg.com.au>
Subject: RE: Upper South Creek (SSI-8609189) - CEMP and Sub-plans consultation period

Good Afternoon Alyce,

See attached Liverpool City Council's additional response to the Upper South Creek Advanced Water Recycling Centre AWRC. We appreciate *John Holland's* in consultation and engagement with this project.
Should you have further question, please do not hesitate to contact me.

Sincerely,

Jerard Tungcab
Strategic Planner

LIVERPOOL CITY COUNCIL

02 8711 7860 | | TungcabJ@liverpool.nsw.gov.au
Customer Service: 1300 36 2170 |
www.liverpool.nsw.gov.au



We acknowledge the traditional custodians of the land that now resides within Liverpool City Council's boundaries, the Darug and Dharawal nations and pay our respects to their Elders past, present and emerging.

This email (including any attachments) may contain confidential and/or legally privileged information. If you are not the intended recipient please delete this email and notify us by telephone. Any privilege is not waived and the storage, use or reproduction is prohibited.

From: Alyce Harrington-JHG <Alyce.Harrington@jhg.com.au>
Sent: Wednesday, April 26, 2023 4:45 PM
Subject: Upper South Creek (SSI-8609189) - CEMP and Sub-plans consultation period

Good afternoon,

Over recent weeks, John Holland on behalf of Sydney Water has been issuing documents to relevant government agencies and local councils in relation to the Upper South Creek Advanced Water Recycling Centre project.

These documents include the project's Construction Environmental Management Plan (CEMP) and associated sub-plans as summarised below:

- USC Construction Environmental Management Plan (CEMP)
- USC Air Quality CEMP Sub-plan
- USC Flood Emergency Response CEMP Sub-plan
- USC Heritage CEMP Sub-plan
- USC Biodiversity CEMP Sub-plan
- USC Noise & Vibration CEMP Sub-plan
- USC Traffic & Transport CEMP Sub-plan
- USC Surface Water & Groundwater CEMP Sub-plan
- USC Soils & Contamination CEMP Sub-plan

Please note that whilst the formal consultation period for the above documents has now ended, John Holland would welcome any future opportunity to engage with you on matters related to the project.

If you have any further questions related to this matter, please do not hesitate to contact me.

Kind Regards,

Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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LIVERPOOL CITY COUNCIL

Contact: Jerard Tungcab
Ph: 02 8711 7860
Date: 8 May 2023

Alyce Harrignton
Environment & Approvals Manager
Level 3, 65 Pirrama Road
Pyrmont, NSW, 2009

Dear Mrs Harrington

Re: Upper South Creek Advanced Water Recycling Centre CEMP Consultation – Liverpool City Council

I write in response to your email dated 26 April 2023 regarding consultation for the Upper South Creek Advanced Water Recycling Centre (AWRC) Construction Environmental Management Plan (CEMP). We appreciate the opportunity to provide comment and we welcome further engagement on the project.

Council has reviewed the plans and provides detailed comments at Appendix 1. Council staff have also provided a number of recommendations with regards to the carrying out of development at Appendix 1.

In future, Council staff would prefer that the full package of plans and documents are provided for comment at the same time. This allows Council technical officers to undertake a comprehensive review of all aspects of the development, including aspects where there may be inconsistencies between documentation.

Council has previously provided comments on the Heritage Sub-Plan, and Biodiversity Sub-Plan. This has been re-iterated as part of the attachment below along with further matters not previously communicated.

Should you require any further information on this matter, please do not hesitate to contact Jerard Tungcab, Strategic Planner, at tungcabj@liverpool.nsw.gov.au

Yours sincerely,

Ian Stendara

Ian Stendara
Executive Planner

Attachment 1

Environmental Health

Council's Environmental Health Team have reviewed the following documents:

- USC Construction Environmental Management Plan (CEMP)
- USC Soils & Contamination CEMP Sub-plan
- USC Noise & Vibration CEMP Sub-plan
- USC Air Quality CEMP Sub-plan
- USC Surface Water & Groundwater CEMP Sub-plan

Whilst no major objections have been raised, the following considerations are reiterated for specific matters.

Soils & Contamination

The document states that the Soils & Contamination CEMP Sub-plan (SCCSP) has been reviewed by Peter Lavelle of Environmental Resources Management (ERM). Peter is a Contaminated Land Consultant certified under the Environment Institute of Australia and New Zealand's Certified Environmental Practitioner (Site Contamination) scheme (CEnvP (SC)).

Additionally, an NSW Environment Protection Authority (EPA) accredited Site Auditor has been engaged by Sydney Water for the project. Following review of the SCCSP, the Site Auditor will issue an interim audit advice or a relevant site audit statement stating that the SCCSP is considered adequate for the construction of the project. Relevant outcomes or recommendations from the review process will be incorporated into the SCCSP.

Noise & Vibration

The report states that a suitably qualified and experienced acoustic advisor in noise and vibration management has been nominated by the project and approved by the "Planning Secretary". Additional independent acoustic advisors have also been selected to be utilised if needed.

The Out of Hours Works (OOHW) Protocol will be provided to the EPA, Environmental Representative (ER) and Acoustic Advisor (AA) in accordance with CoA E43. Further attention is required to references to various appendix listed in section 3.3 and table 3-2 of the report.

Air Quality

Proposed activities with potential to generate dust have been identified and plans to monitor dust generating activities, plant and vehicle emissions and meteorological conditions have been listed as well as mitigation techniques and protocols to deal with complaints.

Additionally, it is proposed that John Holland staff, Sydney Water Environmental Leads and the ER will undertake regular inspections of works sites, in particular critical activities, throughout construction of the project. These joint inspections would occur on a weekly or fortnightly basis depending on the complexity and anticipated risks associated with the stage of construction. Deficiencies and required actions will be analysed and prioritised at the completion of the inspection and timeframes for implementation of corrective actions agreed.

Traffic Management

Council's Traffic Management Team have reviewed the following documents:

- USC Construction Environmental Management Plan (CEMP)
- USC Flood Emergency Response CEMP Sub-plan
- USC Traffic & Transport CEMP Sub-plan

Flood Emergency Response

It is noted that Elizabeth Drive is the only evacuation route to the subject site. As the section of Elizabeth Drive between Clifton Avenue and Mamre Road is located within high-risk flood zone. Early evacuation or warning should be provided prior to and during major flooding events. Consultation is required with TfNSW M12 Motorway project whether any new flood emergency route will be available via the M12 Motorway in future.

Traffic and Transport

The following recommendations must be considered and undertaken.

Action	
A	It is noted that construction traffic will result in an increase in traffic of greater than 5% on road links that are already over capacity including Elizabeth Drive and Cowpasture Road. As a result, Council is to be consulted by Sydney Water or the contractors for any works which may have noticeable impacts on these roads
B	A number of major transport and infrastructure projects are under construction within the close proximity to Elizabeth Drive. Transport for NSW (TfNSW), Councils, Sydney Metro are to be informed for any activity which will result in partial or full road closure along Elizabeth Drive. It is suggested that Sydney Water/contractors are to consult Sydney Metro for the proposed treated wastewater pipeline section underneath the Metro railway track at Elizabeth Drive.
C	A copy of detailed design plans for the proposed pipelines along roads within Liverpool Local Government Area should be submitted to Council's Transport Management team for comment prior to the commencement of the works.
D	A site-specific Construction Traffic Management Plan (SSCTMP) is to be prepared and submitted to Council for review prior to the commencement of any works. A SSCTMP is to include (but not being limited) to the following: • Number of daily and peak hour vehicle, pedestrian and cyclist movements, particularly heavy vehicle movements generated from the proposed works; • Heavy vehicle haulage routes as per the approved EIA report and/or Council's approved routes; • Access arrangements for each construction compound and zone; • On-site construction car parking arrangement and traffic circulation;

	• Vehicle Movement Plans (VMP), Pedestrian Movement Plan (PeMP), and Parking Management Plan (PaMP); • Outlining the needs for a Road Occupancy Permit issued by Council or Road Occupancy Permit issued by the Transport Management Centre. Works within the road reserve shall not commence until the relevant traffic management plans and associated TCPs and VMPs have been endorsed by the relevant road authority.
E	The Driver Code of Conduct is to be prepared and included in the relevant CTMP and SSCTMP. The drivers should use the approved haulage routes
F	Sydney Water/contractors shall seek road occupancy, road opening permits, and works zone approval from Council if required prior to undertaking any works within public road reserve. The application forms are available on Council's website or can requested from the Council's Customer Services. Prior to commencement of any works a Traffic Control Plan including details for pedestrian and cyclist access management, shall be prepared in accordance with AS1742.3 "Traffic Control Devices for Works on Roads" and the Roads and Maritime Services publication "Traffic Control at Worksites" and certified by an appropriately accredited Roads and Maritime Services Traffic Controller, and submitted to Council or the relevant road authority for approval. Traffic control measures shall be implemented during the construction phase of the development in accordance with the certified plan. A copy of the plan shall be available on site at all times. Note: A copy of the Traffic Control Plan shall accompany the Notice of Commencement to Liverpool City Council.
G	Any removals of on-street parking must be approved by Council prior to the implementation. Community consultation and notification are required for the on-street parking removals.
H	A project specific Communications Management Plan for staging construction activities is to be prepared and submitted to Council for approval. The plan is to outline community consultation methodologies, approaches and timeline of consultation process and complaint handling process. Consideration is to be given to include consultation measures such as letterbox drops for affected community, advertisement in local newspapers, VMS sign notification, local community and interest group consultation meetings, and consultation process(s) with key stakeholders such as Councils, TfNSW, Transport Management Centre, bus operators, school, police and emergency service. TfNSW and Sydney Metro host regular traffic control working groups. Council also has regular community forums. It is recommended that the project team can provide updates at the working groups and Council's community forums. A request can be sent to Council for attendance by email: districtforums@liverpool.nsw.gov.au. Full details can be found on the website: Liverpool District Forums | Liverpool Listens (nsw.gov.au).

I	The CTMP, SSCTMP and Communications Management Plan are to include key contact details of principal, contractors, and public agencies. The following Council contact details are to be included in Project Contacts: • Charles Wiafe – Manager Transport Management, wiafec@liverpool.nsw.gov.au, 02 8711 7452 • Jeya Shanmuganathan – Maintenance Planning and Reporting Coordinator, shanmuganathanj@liverpool.nsw.gov.au, 02 8711 7016
J	Council is to be informed for any complaints received and a response provided by Sydney Water and/or the relevant contractors.
K	A Pre-construction Dilapidation Report shall be submitted to Liverpool City Council for approval prior to the commencement of construction.
L	A Road Safety Audit shall be prepared prior to the commencement of any works and provided to Council for review.
M	Council's on-street assets such as footpath should be protected at all times. Any damages should be rectified to Council satisfaction.

Previous Comments

Dated 31 March 2023, the following comments were previously sent regarding Heritage and Biodiversity.

Heritage Sub-Plan
Council's internal officers have thoroughly reviewed the submitted sub-plans for Heritage. Note that Heritage matters were previously commented on during the initial planning stage. No issues have been raised with the proposal and approach taken for the CEMP.

Biodiversity Sub-Plan
The following changes have been recommended for the Biodiversity sub-plan:

3.2 Targets – Page 12

Original Text	Suggested Replacement
Minimise fauna fatalities resulting from construction activities. Ensure no threatened species fatalities.	*Avoid fatalities to fauna resulting from construction activities. Ensure no threatened species fatalities.*
No disturbance to flora within the project boundary which is non-compliant with project approval conditions.	*No disturbance to flora within the project boundary which is non-compliant with project approval conditions and large remnant trees that are not to be removed are to be tagged for identification.*

No transfer of pathogen / disease from one project area to another	*No transfer of pathogen / disease from one project area to another. All safeguards for pathogens will be followed every morning and afternoon. Phytophthora has been found north of Gurner Avenue, Austral and other Sydney water sites in the locality, please refer to Phytophthora Management Plan for Gurner Ave, Austral Document for further information.*
No wilful pollution or sedimentation of aquatic ecosystems; threatened ecological communities or threatened species habitat.	*Ensure to avoid pollution or sedimentation of aquatic ecosystems; threatened ecological communities or threatened species habitat.*

Page 13- Section 3.3 Environmental Outcomes - How performance outcomes would be achieved.

The below bullet points are recommended additions for the Environmental outcomes section 3.3:

- Compensatory revegetation of native plants.
- Avoid adverse impacts to native habitat.

If you do not understand this letter/application, please ring the Telephone Interpreter Service (131 450) and ask them to contact Council (1300 362 170). Office hours are 8.30 am to 5.00 pm, Monday to Friday.

ARABIC

إذا لم تستطع فهم هذا الطلب ، الرجاء الاتصال بخدمة الترجمة الهاتفية على رقم 131 450 واسألهم أن يتصلوا بالبلدية على رقم 1300 362 170 . دوام ساعات العمل هي من الساعة 8.30 صباحًا إلى 5.00 بعد الظهر من الاثنين إلى الجمعة.

CHINESE

如您看不懂此信 / 申請書，請打電話給「電話翻譯服務台」(131 450)，請他們聯絡市政廳(市政廳電話 1300 362 170)。市政廳辦公時間，星期一至星期五，上午八時三十分至下午五時。

CROATIAN

Ako ne razumijete ovo pismo/aplikaciju, molimo nazovite Službu prevodilaca i tumača (Translating and Interpreting Service - na broj 131 450) i zamolite ih da nazovu Općinu (na 1300 362 170). Radno vrijeme je od 8.30 ujutro do 5.00 popodne, od ponedjeljka do petka.

GERMAN

Wenn Sie diesen Brief/Antrag nicht verstehen können, rufen Sie bitte den Telefon Dolmetscher Dienst (Telephone Interpreter Service) (131 450) an und lassen Sie sich vom Personal mit dem Gemeinderat (Council) in Verbindung setzen (1300 362 170). Geschäftsstunden sind von 8:30 bis 17:00 Uhr, montags bis freitags.

GREEK

Αν δεν καταλαβαίνετε αυτή την επιστολή/αίτηση, σας παρακαλούμε να τηλεφωνήσετε στην Τηλεφωνική Υπηρεσία Διερμηνέων (131 450) και να τους ζητήσετε να επικοινωνήσουν με το Δημοτικό Συμβούλιο (1300 362 170). Τα γραφεία του είναι ανοιχτά από τις 8.30π.μ. μέχρι τις 5.00μ.μ. από Δευτέρα μέχρι και Παρασκευή.

HINDI

अगर आप इस पत्र/आवेदन को पढ़कर समझ नहीं पा रहे हैं तो कृपया टेलीफ़ोन संवाद-सहायक सेवा (131 450) को फ़ोन करें और उनसे काउंसिल (1300 362 170) से संपर्क करने को कहें। कार्यालय का समय सोमवार से शुक्रवार तक प्रातः ८:३० बजे से सायं ५:०० तक है।

ITALIAN

Se non comprendi questa lettera/questo modulo di domanda, telefona al Servizio traduzioni e interpreti al numero 131 450 chiedendo di essere messo in contatto con il Comune (telefono 1300 362 170). Orario d'ufficio: ore 8.30 -17.00, dal lunedi al venerdi.

KHMER

បើលោកអ្នកមិនយល់ពីអត្ថន័យឬការប្រតិបត្តិនេះទេ សូមទូរស័ព្ទទៅសេវាបកប្រែភាសាតាមទូរស័ព្ទ (លេខ 131 450) ហើយស្នើសុំឲ្យគេទាក់ទងសាលាក្រុង (លេខ 1300 362 170)។ ពេលម៉ោងធ្វើការគឺម៉ោង 8 កន្លះព្រឹកដល់ម៉ោង 5 ល្ងាច ពីថ្ងៃច័ន្ទដល់ថ្ងៃសុក្រ

MACEDONIAN

Ако не го разбирате ова писмо/апликација, ве молиме да се јавите во Телефонската преведувачка служба на 131 450 и замолете ги да стапат во контакт со Општината на 1300 362 170. Работното време е од 8.30 часот наутро до 5.00 часот попладне од понеделник до петок.

MALTESE

Jekk ma tifhimx din l-ittra/applikazzjoni, jekk jogħġbok ċempel lis-Servizz ta' l-Interpretu bit-Telefon (131 450) u itlobhom jikkuntattjaw il-Kunsill (1300 362 170). Il-ħinijiet ta' l-Uffiċċju huma mit-8.30a.m. sal-5.00p.m., mit-Tnejn sal-Ġimgħa.

POLISH

Jeśli nie rozumiesz treści niniejszego pisma/podania, zadzwoń do Telefonicznego Biura Tłumaczy (Telephone Interpreter Service) pod numer 131 450 I poproś o telefoniczne skontaktowanie się z Radą Miejską pod numerem 1300 362 170. Godziny urzędowania: 08.30-17.00 od poniedziałku do piątku.

SERBIAN

Ако не разумете ово писмо/апликацију, молимо вас да назовете Телефонску преводилачку службу (131 450) и замолите их да контактирају Општину (1300 362 170). Радно време је од 8.30 ујутро до 5.00 поподне, од понедељка до петка.

SPANISH

Si Ud. no entiende esta carta/solicitud, por favor llame al Servicio Telefónico de Intérpretes (131 450) y pídales que llamen a la Municipalidad (Council) al 1300 362 170. Las horas de oficina son de 8:30 am a 5:00 pm, de lunes a viernes.

TURKISH

Bu mektubu veya müracaatı anlayamazsanız, lütfen Telefon Tercüme Servisi'ne (131 450) telefon ederek Belediye ile (1300 362 170) ilişkiye geçmelerini isteyiniz. Çalışma saatleri Pazartesi - Cuma günleri arasında sabah saat 8:30 ile akşam 5:00 arasıdır.

VIETNAMESE

Nếu không hiểu thư/đơn này, xin Quý Vị gọi cho Telephone Interpreter Service (Dịch Vụ Thông Dịch Qua Điện Thoại), số 131 450, và nhờ họ liên lạc với Council (Hội Đồng), số 1300 362 170. Giờ làm việc là 8 giờ 30 sáng đến 5 giờ 00 chiều, Thứ Hai đến Thứ Sáu.

Appendix 5 – Fairfield City Council – Evidence of Consultation

From:	Alyce Harrington-JHG
To:	Mira Segaran-JHG
Subject:	FW: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (FCC)
Date:	Wednesday, 8 March 2023 2:14:09 PM
Attachments:	USCP-JHG-MPL-ENV-0009 Air Quality CEMP Sub-plan (Rev 03)_clean and consolidated.pdf USCP-JHG-MPL-ENV-0008 Upper South Creek CEMP (Rev 04)_clean and consolidated.pdf image001.png image002.png image003.png image004.png image005.png image006.png

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Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

Make flexibility work – if you receive an email from me outside of normal business hours, it's because I'm sending it at a time that suits me. I'm not expecting you to read it or reply until normal business hours.

From: Alyce Harrington-JHG
Sent: Wednesday, 1 March 2023 7:46 PM
To: amortimer@fairfieldcity.nsw.gov.au
Cc: CAHILL, CHERYL <CHERYL.CAHILL@sydneywater.com.au>; Cameron Varricchio <CAMERON.VARRICCHIO@sydneywater.com.au>; Rob Cranston-JHG <Rob.Cranston@jhg.com.au>; Jason Julius-JHG <Jason.Julius@jhg.com.au>; Michael McIlveen-JHG <Michael.McIlveen@jhg.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>
Subject: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (FCC)

Good afternoon Alison,

John Holland has recently been awarded a contract by Sydney Water to design, construct and commission Stage 1 of the Upper South Creek Advanced Water Recycling Centre and Pipelines Project (herein referred to as 'USC Project' or 'the Project'). The Project was approved by the Minister for Planning, Anthony Roberts on Monday 28 November 2022 (SSI-8609189) and in accordance with the relevant conditions of approval (CoA) C1 and C2, John Holland has prepared a Construction Environmental Management Plan (CEMP).

CoA C4 and CoA C13 requires a number of CEMP Sub-plans and Construction Monitoring Programs, respectively, to support the CEMP and they must be developed in consultation with relevant government agencies, including Fairfield City Council (FCC). A list of the plans and programs relevant to FCC is provided below.

C4

a. Surface Water & Groundwater CEMP Sub-plan (USCP-JHG-MPL-ENV-0001) (SWGCSP)
b. Flood Emergency Response CEMP Sub-plan (USCP-JHG-MPL-ENV-0002) (FERCSP)
c. Soils & Contamination CEMP Sub-plan (USCP-JHG-MPL-ENV-0003) (SCCSP)
d. Biodiversity CEMP Sub-plan (USCP-JHG-MPL-ENV-0004) (BCSP)
e. Noise & Vibration CEMP Sub-plan (USCP-JHG-MPL-ENV-0007) (NVCSP)
f. Traffic & Transport CEMP Sub-plan (USCP-JHG-MPL-ENV-0005) (TTCSP)
g. Heritage CEMP Sub-plan (USCP-JHG-MPL-ENV-0006) (HCSP)
h. Air Quality CEMP Sub-plan (USCP-JHG-MPL-ENV-0009) (AQCSP)

C13

a. Surface Water Quality Construction Monitoring Program (Appendix E of the SWGCSP)
c. Noise & Vibration Construction Monitoring Program (Appendix E of the NVCSP)

John Holland proposes to issue the relevant plans and programs progressively, following review and approval by Sydney Water. As such, John Holland on behalf of Sydney Water, is please to present to FCC, the Air Quality CEMP Sub-plan (AQCSP, C4(h)). Please note that as there are a number of references to sections within the CEMP throughout the AQCSP, John Holland has also provided a copy of the CEMP for FCC reference.

It would be greatly appreciated if any comments regarding this submission are provided by close of business Monday 13 March 2023.

If you have any questions regarding this submission, please contact me.

Kind Regards,

Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From: Alyce Harrington-JHG
To: Mira Segaran-JHG
Subject: FW: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (FCC)
Date: Tuesday, 28 March 2023 10:25:59 PM
Attachments: image008.png
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Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
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E. Alyce.Harrington@jhg.com.au

Make flexibility work – if you receive an email from me outside of normal business hours, it's because I'm sending it at a time that suits me. I'm not expecting you to read it or reply until normal business hours.

From: Alison Mortimer <AMortimer@fairfieldcity.nsw.gov.au>
Sent: Wednesday, 1 March 2023 7:49 PM
To: Alyce Harrington-JHG <Alyce.Harrington@jhg.com.au>
Cc: CAHILL, CHERYL <CHERYL.CAHILL@sydneywater.com.au>; Cameron Varricchio <CAMERON.VARRICCHIO@sydneywater.com.au>; Rob Cranston-JHG <Rob.Cranston@jhg.com.au>; Jason Julius-JHG <Jason.Julius@jhg.com.au>; Michael McIlveen-JHG <Michael.McIlveen@jhg.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>
Subject: RE: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (FCC)

In the first instance I have referred this matter to Daniel Begnell who is currently Acting Manager City Assets for his review and response.

Regards

Alison Mortimer
Manager City Assets
City Assets and Operations
PO Box 21, Fairfield NSW 1860
P 9725 0106 |

www.fairfieldcity.nsw.gov.au
mail@fairfieldcity.nsw.gov.au

The Bluett AWARD
WINNER AR BLUETT MEMORIAL AWARD 2018
'Most progressive council in NSW'

FairfieldCity
Celebrating diversity

We acknowledge the Cabrogal of the Darug Nation who are the Traditional Custodians of this Land.
We also pay our respect to the Elders both past, present and emerging of the Darug Nation.



From: Alyce Harrington-JHG <Alyce.Harrington@jhg.com.au>
Sent: Wednesday, 1 March 2023 7:46 PM
To: Alison Mortimer <AMortimer@fairfieldcity.nsw.gov.au>
Cc: CAHILL, CHERYL <CHERYL.CAHILL@sydneywater.com.au>; Cameron Varricchio <CAMERON.VARRICCHIO@sydneywater.com.au>; Rob Cranston-JHG <Rob.Cranston@jhg.com.au>; Jason Julius-JHG <Jason.Julius@jhg.com.au>; Michael McIlveen-JHG <Michael.McIlveen@jhg.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>
Subject: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (FCC)

Good afternoon Alison,

John Holland has recently been awarded a contract by Sydney Water to design, construct and commission Stage 1 of the Upper South Creek Advanced Water Recycling Centre and Pipelines Project (herein referred to as 'USC Project' or 'the Project'). The Project was approved by the Minister for Planning, Anthony Roberts on Monday 28 November 2022 (SSI-8609189) and in accordance with the relevant conditions of approval (CoA) C1 and C2, John Holland has prepared a Construction Environmental Management Plan (CEMP).

CoA C4 and CoA C13 requires a number of CEMP Sub-plans and Construction Monitoring Programs, respectively, to support the CEMP and they must be developed in consultation with relevant government agencies, including Fairfield City Council (FCC). A list of the plans and programs relevant to FCC is provided below.

C4

a. Surface Water & Groundwater CEMP Sub-plan (USCP-JHG-MPL-ENV-0001) (SWGCSP)
b. Flood Emergency Response CEMP Sub-plan (USCP-JHG-MPL-ENV-0002) (FERCSP)
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g. Heritage CEMP Sub-plan (USCP-JHG-MPL-ENV-0006) (HCSP)
h. Air Quality CEMP Sub-plan (USCP-JHG-MPL-ENV-0009) (AQCSP)

C13

a. Surface Water Quality Construction Monitoring Program (Appendix E of the SWGCSP)
c. Noise & Vibration Construction Monitoring Program (Appendix E of the NVCSP)

John Holland proposes to issue the relevant plans and programs progressively, following review and approval by Sydney Water. As such, John Holland on behalf of Sydney Water, is please to present to FCC, the Air Quality CEMP Sub-plan (AQCSP, C4(h)). Please note that as there are a number of references to sections within the CEMP throughout the AQCSP, John Holland has also provided a copy of the CEMP for FCC reference.

It would be greatly appreciated if any comments regarding this submission are provided by close of business Monday 13 March 2023.

If you have any questions regarding this submission, please contact me.

Kind Regards,

Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From:	Alyce Harrington-JHG
To:	MShah@fairfieldcity.nsw.gov.au
Cc:	Zahid Hassan; Daniel Begnell; Darragh O"Brien-JHG; Mira Segaran-JHG
Subject:	RE: Upper South Creek (SSI 8906189) CoA C4(f) - Traffic & Transport CEMP Sub-plan - for consultation (FCC)
Date:	Monday, 3 April 2023 5:20:31 PM
Attachments:	image001.png image002.png image003.png image004.png image005.png image006.png image007.png image008.png image009.png image010.png

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Hi Mursaleen,

To follow up on Zahid's correspondence last week, please see below a list of plans and programs relative to the Upper South Creek AWRC Project that have been issued by John Holland to Fairfield City Council.

- Air Quality CEMP Sub-plan (issued 01 March 2023)
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- Surface Water & Groundwater CEMP Sub-plan (including the surface water quality and groundwater construction monitoring programs) (issued 31 March 2023)

At Sydney Water's request, the plans have been progressively submitted to FCC from Wednesday 01 March 2023. It would be greatly appreciated if you could submit any comments available from those plans submitted approximately 4 weeks ago in early March, as soon as possible so we can review and make the appropriate amendments.

If you have any questions, please do not hesitate to contact me.

Thank you,

Alyce Harrington
Planning, Environment & Approvals Director
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From: Zahid Hassan <ZHassan@fairfieldcity.nsw.gov.au>
Sent: Wednesday, 29 March 2023 9:11 AM
To: Alyce Harrington-JHG <Alyce.Harrington@jhg.com.au>
Cc: Mursaleen Shah <MShah@fairfieldcity.nsw.gov.au>; Daniel Begnell <DBegnell@fairfieldcity.nsw.gov.au>
Subject: RE: Upper South Creek (SSI 8906189) CoA C4(f) - Traffic & Transport CEMP Sub-plan - for consultation (FCC)

Good Morning Alyce

Could you please send the list of the plans and programs for the subject project to Mursaleen Shah whom I have copied in this email. I will provide comments relevant to infrastructure assets to him if required.

Regards,

Zahid Hassan
Asset Manager – Civil and Built | Asset Management
City Assets & Operations

PO Box 21, Fairfield NSW 1860
P 9725 0248 | M 0418 863 083

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From: Alyce Harrington-JHG <Alyce.Harrington@jhg.com.au>
Sent: Tuesday, 28 March 2023 10:36 PM
To: Daniel Begnell <DBegnell@fairfieldcity.nsw.gov.au>; Mail Mail <mail@fairfieldcity.nsw.gov.au>; Zahid Hassan <ZHassan@fairfieldcity.nsw.gov.au>
Cc: CAHILL, CHERYL <CHERYL.CAHILL@sydneywater.com.au>; Cameron Varricchio <CAMERON.VARRICCHIO@sydneywater.com.au>; Rob Cranston-JHG <Rob.Cranston@jhg.com.au>; Jason Julius-JHG <Jason.Julius@jhg.com.au>; Michael McIlveen-JHG <Michael.McIlveen@jhg.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>; Mira Segaran-JHG <Mira.Segaran@jhg.com.au>

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John Holland proposes to issue the relevant plans and programs progressively, following review and approval by Sydney Water. As such, John Holland on behalf of Sydney Water, is please to present to FCC, the **Traffic & Transport CEMP Sub-plan** (TTCSP, C4(f)). Please note that as there are a number of references to sections within the CEMP throughout the TTCSP, John Holland has also provided a copy of the CEMP for FCC reference.

It would be greatly appreciated if any comments regarding this submission are provided by close of business Tuesday 13 April 2023.

If you have any questions regarding this submission, please contact me.

Thank you,

Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From:	Mursaleen Shah
To:	Alyce Harrington-JHG
Cc:	Zahid Hassan; Daniel Begnell; Darragh O"Brien-JHG; Mira Segaran-JHG
Subject:	RE: Upper South Creek (SSI 8906189) CoA C4(f) - Traffic & Transport CEMP Sub-plan - for consultation (FCC)
Date:	Tuesday, 4 April 2023 8:14:06 AM
Attachments:	image015.png image016.png image021.png image022.png image023.png image024.png image025.png image026.png image027.png image028.png image029.png image030.png

Hi Alyce

Council can provide comment on the documents that are marked yellow below. However, Traffic Team and Catchment Team need to see a copy of the document before a comment could be provided. Additionally, for CEMP to be reviewed, Council need to see a copy of the EIS/REF and any ancillary investigation undertaken to support the document(s).

I note, there are several questions regarding the proposed project. Those questions are primarily related to the impacts on public infrastructure, the process for the delivery of construction activities, and impacts on the community during construction and operation. It is yet to be determined how Council will respond to those questions.

Regards

Mursaleen Shah| Design Services Coordinator
Design Services | City Delivery
PO Box 21, Fairfield NSW 1860
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Cc: Zahid Hassan <ZHassan@fairfieldcity.nsw.gov.au>; Daniel Begnell <DBegnell@fairfieldcity.nsw.gov.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>; Mira Segaran-JHG <Mira.Segaran@jhg.com.au>
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Subject:	RE: Upper South Creek (SSI 8906189) CoA C4(f) - Traffic & Transport CEMP Sub-plan - for consultation (FCC)
Date:	Tuesday, 4 April 2023 8:18:31 AM
Attachments:	image002.png image003.png image008.png image009.png image010.png image011.png image012.png image013.png image014.png image015.png image016.png image017.png

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In addition to the email below, please note I am not a point of contact for this project.

Please use your appropriate point of contacts for your further emails or send it to Council's email address or phone number.

Mursaleen Shah| Design Services Coordinator
Design Services | City Delivery
PO Box 21, Fairfield NSW 1860
M 0447 721 321
P 02 9725 0144

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C13

a. Surface Water Quality Construction Monitoring Program (Appendix E of the SWGCSP)
c. Noise & Vibration Construction Monitoring Program (Appendix E of the NVCSP)

John Holland proposes to issue the relevant plans and programs progressively, following review and approval by Sydney Water. As such, John Holland on behalf of Sydney Water, is please to present to FCC, the **Traffic & Transport CEMP Sub-plan** (TTCSP, C4(f)). Please note that as there are a number of references to sections within the CEMP throughout the TTCSP, John Holland has also provided a copy of the CEMP for FCC reference.

It would be greatly appreciated if any comments regarding this submission are provided by close of business Tuesday 13 April 2023.

If you have any questions regarding this submission, please contact me.

Thank you,

Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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privileged information. If you are not the intended recipient, please delete it immediately and notify the sender. Any views expressed in this email, are those of the individual sender, except where the sender expressly and with authority, states them to be the view of Fairfield City Council.

From:	Alyce Harrington-JHG
To:	Mira Segaran-JHG
Subject:	FW: Fairfield Council meeting minutes 13.03.2023
Date:	Friday, 28 April 2023 7:43:35 AM
Attachments:	Fairfield City Council Early Coordination Meeting.pdf 20230313_Fairfield Council meeting minutes_FINAL.pdf image001.png image002.png image003.png image004.png image005.png image006.png image007.png image008.png image009.png image010.png image011.png image012.png

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Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

Make flexibility work – if you receive an email from me outside of normal business hours, it's because I'm sending it at a time that suits me. I'm not expecting you to read it or reply until normal business hours.

From: Rama Sapkota-JHG <Rama.Sapkota@jhg.com.au>
Sent: Thursday, 30 March 2023 4:31 PM
To: amortimer@fairfieldcity.nsw.gov.au; mshah@fairfieldcity.nsw.gov.au; AMooney@fairfieldcity.nsw.gov.au
Cc: Alyce Harrington-JHG <Alyce.Harrington@jhg.com.au>; Michael Robertson <michael@mrcommunications.com.au>; Aidan O'Driscoll-JHG <Aidan.O'Driscoll@jhg.com.au>; Mark Trethewy-JHG <Mark.Trethewy@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>; Belinda Dechnik-JHG <Belinda.Dechnik@jhg.com.au>
Subject: Fairfield Council meeting minutes 13.03.2023

Hi All,

Please see attached meeting minutes from 13.03.2023.

The 50% design drawings are within the attached slide pack.

Thank you,

Rama Sapkota
Senior Community Engagement Advisor - Upper South Creek project

Meeting Minutes

Title	Stakeholder meeting with Fairfield City Council on 50% design completion
Date	13/03/2023
Time	3:00pm
Held at	Teams Meeting

Chaired by	Michael Robertson
Minuted by	Rama Sapkota
Distribution Date	

Attendees List

Aidan O'Driscoll (AO), Construction Manager, JHG
Michael Robertson (MR), Community Manager, JHG
Mark Trethewey (MT), Sustainability Manager, JHG
Darragh O'Brien (DO), Environment Lead, JHG
Rama Sapkota (RS), Senior Community Advisor, JHG
Andrew Mooney, Executive Strategic Planner, Fairfield City Council
Kerren Ven, Strategic Planner, Fairfield City Council
Mursaleen Shah, Design Coordinator, Fairfield City Council
Zahid Hassan, Asset Manager - Civil and Built, Fairfield City Council

Apologies List

Alyce Harrington (AH), Environment & Approvals Manager, JHG

IDescription / Action	By Whom	By When
Acknowledgement of Country	MR	
An introduction of the project and the meeting attendees.	MR	
AO went through the treated pipeline water overview, overview of the project in the area and gave overview of timing of design process. He mentioned there will be impacts to local streets and residential roads, work underneath the Sydney Trains corridor at Cabramatta, under Cowpasture Road and on TfNSW Roads.	MR	

AO advised that works will impact parking lane on North Liverpool Road and Montgomery Road.

MS enquired about the pipe size.

AO clarified the pipe size has been updated and explained.

MS enquired if EPA has been consulted, impacts during construction, hazards of the materials that is going to be discharged (Class 2 discharge material).

AO explained the process of design process of the valve and material discharge. It will be discharged into an existing sewer.

MS enquired about the emergency procedure of a leak or any incident and how it will be managed?

ACTION: AO to provide information on emergency protocol and send it to Council. Link to EIS Chapter 4 Section 4.6.2 (Volume 2_ Project Information and Construction_ Part 2 (nsw.gov.au)). **Complete**

Council enquired about construction impacts and ongoing impacts, private property impact of trenches or will it be on the roadway. What will be the construction timing? What will be impact on the roads and public infrastructure? Impact to maintenance of SW asset?

AO explained the construction methodology and scour chambers. It is designed for no rework and asset is expected last for 100 years. EIS exhibition was carried out in the planning phase which address the concerns raised. The site mobilisation in July.

AM requested for the MCOA and planning approvals.

ACTION: FCC to review Community & Stakeholder Engagement Plan and comment on the planned engagement activities and stakeholders- Upper South Creek Advanced Water Recycling Centre | Planning Portal - Department of Planning and Environment (nsw.gov.au). **Link to project website:** www.sydneywatertalk.com.au/uppersouthcreek

MS enquired about how the ROLs will be managed.

AO advised that site specific traffic management plan is currently being prepared and would like to get Council feedback.

ACTION: FCC to provide Traffic management team contact.

MS provided advice on Traffic construction plan. The day work time and night time work; start and finish time will be provided in the TCP. It will be indicative times.

Council enquired how will the project rectify Council asset? They wanted clarification on who will carry out the restoration?

ZH spoke about the Council requirement and apply for a Road Reserve Clearance Certificate Application.

AO advised that the project team will carry out restoration upon completion.

MS enquired if the pipeline will go through CBD?

AO advised the project avoids CBD but does go through busy streets.

What is the duration of the project?

AO advised that it will conclude around mid 2025.

MS enquired about the HDPE lifecycle? He mentioned that it usually comes with a 25 years lifecycle.

AO advised the HDPE will have a longer life cycle than 25 years.

MS enquired about how the trenching will be carried out?

MR advised that trenching methodology and the construction approach.

Council enquired about the risk during ongoing construction to Council asset; existing stormwater. How to avoid that?

AO advised it is addressed in the 90% design which will be finalised in six weeks' time and will show all Council assets.

MS enquired if pipes will be in the centre of the road?

AO advised that pipes will go in the parking lane? Most of the pipes is under the curb.

MS enquired if there will be road closures?

AO advised the plan is to take two of the four lanes.

MS enquired about how is the noise and dust going to be managed, environment impacts, complaints and night works?

Note: Addressed in the environment management plans, FCC to review the CEMP and sub-plans emailed to dbegnell@fairfieldcity.nsw.gov.au for **council review and complaints line 1800 064 127.**

DO spoke about the mitigation of the dust, noise, complaints and out of hour work. He spoke about the mitigation measures during works.

AO went through the key construction areas.

MS enquired about booster stations along the way.

AO advised that there will be valves but no booster stations.

ZH enquired will the permanent restoration be completed to Council Specs?

AO advised that it will be done to Council Specs.

MS requested for the slides.

ACTION: RS to send the slides and meeting minutes. Complete

MS advised to have early consultation with residents about parking space impacts. Council would like to work with JHG about the parking impacts and have early conversation with residents.

AO advised that consultation will be carried out prior to any impacts to residents.

DO went through the environment slides.

MS enquired if the EPL will be publicly available?

DO advised that EPL application is underway and going through the process currently.

MS enquired about the water discharge and water quality? He noted these are question the community will ask them.

ACTION: CEMP has been sent to council. It outlines mitigation measures around water discharge and quality. Complete

MT went through the sustainability slides and request for Council input.

MT requests if Fairfield Council could please identify the best environment or sustainability contact to address further council and USC collaboration opportunities proposed on Sustainability slides (e.g. asset resilience in response to climate change, material/water/waste reuse/recycling opportunities).

MS enquired about how will contaminated materials is found during trenching be disposed of?

MT advised that it is more of an environmental query.

AO advised contaminated material will be taken offsite and be disposed at a licenced facility and it will be tracked. AO advised its covered under the EPL.

MS advised that Council must be notified of the contamination and requested to be notified? In case there are questions from landowners.

MR went through the community slides and requested for any upcoming Council festivals? Also, shared the Community Engagement Plan and requested to pass on to their community team.

AM mentioned that there is a Fairfield markets every weekend if you want to do a pop up. Advised the festivals will be too hectic not as beneficial as the weekend market.

ACTION: Council to review Community & Stakeholder Engagement Plan and comment on the planned engagement activities and stakeholders
www.sydneywatertalk.com.au/53513/widgets/322594/documents/251449
Link to the project website: www.sydneywatertalk.com.au/uppersouthcreek

MS enquired about the parameters of the materials that is going to transported – type of water or material. BUD, CUD, dissolve solid, bio solids – requested share EPL.

MR advised that most of these are in the EIS and will point in the right section of the EIS.

ACTION: EIS Chapter 8 Section 8.7 (Volume 3_Impact Assessment_Part 1 (nsw.gov.au)) **EIS Appendix F Section 6** (Appendix F_Hydrodynamic and Water Quality Impact Assessment_Part 1 (nsw.gov.au)) . **Complete**

ACTION: There will be specific targeted meetings on an as-needs basis going forward and will arrange specific teams to attend the meeting.

AM advised that contact MS will be the main point of contact.

Summary of key issues or interests raised by Council

- Construction impacts and mitigation measures
- Night work
- Construction duration
- Risk management (from potential pipe leak)
- Planning approvals and Minister's Conditions of Approval
- Road applications and restoration approach
- If construction will be through any town centres
- Pipe life – any operational impact to Council from the pipe being in the road?
- Pipe locations
- Pipe materials
- Type of water in the brine pipe – chemical make up of the water
- Would like to review design drawings **(ACTION: RS to share 50% design drawings via the attached slide pack) Complete**
- Keen to stay involved and review construction and traffic management approach
- Copy of EPL
- Unexpected finds policy – Council doesn't want to have to pay for any finds
- Fairfield Markets are a good opportunity to meet the community

	Could council please confirm the above list to allow the Project to be aware that council's key concerns are understood?

From:	Alyce Harrington-JHG
Bcc:	CAHILL, CHERYL; Cameron Varricchio; Michael Robertson-JHG; Rob Cranston-JHG; Jason Julius-JHG; Darragh O"Brien-JHG; Simone Kenyon-JHG; bianca.klein@wollondilly.nsw.gov.au; ari.fernando@penrith.city; tungcabj@liverpool.nsw.gov.au; Alison Mortimer; Daniel Begnell; mail@fairfieldcity.nsw.gov.au; Mathew Harland; Nafizul Akash; Ibrahim Muharrem; Zahid Hassan
Subject:	Upper South Creek (SSI-8609189) - CEMP and Sub-plans consultation period
Date:	Wednesday, 26 April 2023 4:44:00 PM
Attachments:	image001.png image002.png image003.png image004.png image005.png image006.png

Good afternoon,

Over recent weeks, John Holland on behalf of Sydney Water has been issuing documents to relevant government agencies and local councils in relation to the Upper South Creek Advanced Water Recycling Centre project.

These documents include the project's Construction Environmental Management Plan (CEMP) and associated sub-plans as summarised below:

- USC Construction Environmental Management Plan (CEMP)
- USC Air Quality CEMP Sub-plan
- USC Flood Emergency Response CEMP Sub-plan
- USC Heritage CEMP Sub-plan
- USC Biodiversity CEMP Sub-plan
- USC Noise & Vibration CEMP Sub-plan
- USC Traffic & Transport CEMP Sub-plan
- USC Surface Water & Groundwater CEMP Sub-plan
- USC Soils & Contamination CEMP Sub-plan

Please note that whilst the formal consultation period for the above documents has now ended, John Holland would welcome any future opportunity to engage with you on matters related to the project.

If you have any further questions related to this matter, please do not hesitate to contact me.

Kind Regards,

Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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Appendix 6 – Canterbury Bankstown City Council – Evidence of Consultation

From:	Alyce Harrington-JHG
To:	Mira Segaran-JHG
Subject:	FW: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (CBCC)
Date:	Wednesday, 8 March 2023 2:14:03 PM
Attachments:	USCP-JHG-MPL-ENV-0009 Air Quality CEMP Sub-plan (Rev 03)_clean and consolidated.pdf USCP-JHG-MPL-ENV-0008 Upper South Creek CEMP (Rev 04)_clean and consolidated.pdf image001.png image002.png image003.png image004.png image005.png image006.png

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Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From: Alyce Harrington-JHG
Sent: Wednesday, 1 March 2023 7:51 PM
To: amita.maharjan@cbcity.nsw.gov.au
Cc: CAHILL, CHERYL <CHERYL.CAHILL@sydneywater.com.au>; Cameron Varricchio <CAMERON.VARRICCHIO@sydneywater.com.au>; Rob Cranston-JHG <Rob.Cranston@jhg.com.au>; Jason Julius-JHG <Jason.Julius@jhg.com.au>; Michael McIlveen-JHG <Michael.McIlveen@jhg.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>
Subject: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (CBCC)

Good afternoon Amita,

John Holland has recently been awarded a contract by Sydney Water to design, construct and commission Stage 1 of the Upper South Creek Advanced Water Recycling Centre and Pipelines Project (herein referred to as 'USC Project' or 'the Project'). The Project was approved by the Minister for Planning, Anthony Roberts on Monday 28 November 2022 (SSI-8609189) and in accordance with the relevant conditions of approval (CoA) C1 and C2, John Holland has prepared a Construction Environmental Management Plan (CEMP).

CoA C4 and CoA C13 requires a number of CEMP Sub-plans and Construction Monitoring Programs, respectively, to support the CEMP and they must be developed in consultation with relevant government agencies, including Canterbury-Bankstown City Council (CBCC). A list of the plans and programs relevant to CBCC is provided below.

C4

a. Surface Water & Groundwater CEMP Sub-plan (USCP-JHG-MPL-ENV-0001) (SWGCSP)
b. Flood Emergency Response CEMP Sub-plan (USCP-JHG-MPL-ENV-0002) (FERCSP)
c. Soils & Contamination CEMP Sub-plan (USCP-JHG-MPL-ENV-0003) (SCCSP)
d. Biodiversity CEMP Sub-plan (USCP-JHG-MPL-ENV-0004) (BCSP)
e. Noise & Vibration CEMP Sub-plan (USCP-JHG-MPL-ENV-0007) (NVCSP)
f. Traffic & Transport CEMP Sub-plan (USCP-JHG-MPL-ENV-0005) (TTCSP)
g. Heritage CEMP Sub-plan (USCP-JHG-MPL-ENV-0006) (HCSP)
h. Air Quality CEMP Sub-plan (USCP-JHG-MPL-ENV-0009) (AQCSP)

C13

a. Surface Water Quality Construction Monitoring Program (Appendix E of the SWGCSP)
c. Noise & Vibration Construction Monitoring Program (Appendix E of the NVCSP)

John Holland proposes to issue the relevant plans and programs progressively, following review and approval by Sydney Water. As such, John Holland on behalf of Sydney Water, is please to present to CBCC, the Air Quality CEMP Sub-plan (AQCSP, C4(h)). Please note that as there are a number of references to sections within the CEMP throughout the AQCSP, John Holland has also provided a copy of the CEMP for CBCC reference.

It would be greatly appreciated if any comments regarding this submission are provided by close of business Monday 13 March 2023.

If you have any questions regarding this submission, please contact me.

Kind Regards,

Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From:	Alyce Harrington-JHG
To:	Mira Segaran-JHG
Subject:	FW: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (CBCC)
Date:	Wednesday, 8 March 2023 2:14:03 PM
Attachments:	USCP-JHG-MPL-ENV-0009 Air Quality CEMP Sub-plan (Rev 03)_clean and consolidated.pdf USCP-JHG-MPL-ENV-0008 Upper South Creek CEMP (Rev 04)_clean and consolidated.pdf image001.png image002.png image003.png image004.png image005.png image006.png

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Environment & Approvals Manager
Upper South Creek

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From: Alyce Harrington-JHG
Sent: Thursday, 2 March 2023 10:29 AM
To: ryan.snape@cbcity.nsw.gov.au; Tim.IRELAND@cbcity.nsw.gov.au; Paul.ANGEL@cbcity.nsw.gov.au; Peter.Lay@cbcity.nsw.gov.au
Cc: CAHILL, CHERYL <CHERYL.CAHILL@sydneywater.com.au>; Cameron Varricchio <CAMERON.VARRICCHIO@sydneywater.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>
Subject: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (CBCC)

Good morning,

John Holland has recently been awarded a contract by Sydney Water to design, construct and commission Stage 1 of the Upper South Creek Advanced Water Recycling Centre and Pipelines Project (herein referred to as 'USC Project' or 'the Project'). The Project was approved by the Minister for Planning, Anthony Roberts on Monday 28 November 2022 (SSI-8609189) and in accordance with the relevant conditions of approval (CoA) C1 and C2, John Holland has prepared a Construction Environmental Management Plan (CEMP).

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C4

a. Surface Water & Groundwater CEMP Sub-plan (USCP-JHG-MPL-ENV-0001) (SWGCSP)
b. Flood Emergency Response CEMP Sub-plan (USCP-JHG-MPL-ENV-0002) (FERCSP)
c. Soils & Contamination CEMP Sub-plan (USCP-JHG-MPL-ENV-0003) (SCCSP)
d. Biodiversity CEMP Sub-plan (USCP-JHG-MPL-ENV-0004) (BCSP)
e. Noise & Vibration CEMP Sub-plan (USCP-JHG-MPL-ENV-0007) (NVCSP)
f. Traffic & Transport CEMP Sub-plan (USCP-JHG-MPL-ENV-0005) (TTCSP)
g. Heritage CEMP Sub-plan (USCP-JHG-MPL-ENV-0006) (HCSP)
h. Air Quality CEMP Sub-plan (USCP-JHG-MPL-ENV-0009) (AQCSP)

C13

a. Surface Water Quality Construction Monitoring Program (Appendix E of the SWGCSP)
c. Noise & Vibration Construction Monitoring Program (Appendix E of the NVCSP)

John Holland proposes to issue the relevant plans and programs progressively, following review and approval by Sydney Water. As such, John Holland on behalf of Sydney Water, is please to present to CBCC, the Air Quality CEMP Sub-plan (AQCSP, C4(h)). Please note that as there are a number of references to sections within the CEMP throughout the AQCSP, John Holland has also provided a copy of the CEMP for CBCC reference.

It would be greatly appreciated if any comments regarding this submission are provided by close of business Wednesday 15 March 2023.

If you have any questions regarding this submission, please contact me.

Kind Regards,

Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From:	Alyce Harrington-JHG
To:	David Milner
Cc:	Michael Robertson-JHG; CHERYL.CAHILL@sydneywater.com.au; Mira Segaran-JHG
Subject:	RE: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (CBCC)
Date:	Friday, 17 March 2023 11:57:37 AM
Attachments:	image001.png image002.png image003.png image004.png image005.png image006.png image007.png image012.png image014.png image015.png image016.png image017.png image018.png image019.png image020.png

---

Hello David,

Thanks so much for your email, I appreciate the update.

I've noted the extension date and look forward to hearing from you then.

Cheers,

Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From: David Milner <David.Milner@cbcity.nsw.gov.au>
Sent: Monday, 13 March 2023 3:53 PM
To: Alyce Harrington-JHG <Alyce.Harrington@jhg.com.au>
Cc: Michael Robertson-JHG <Michael.Robertson@jhg.com.au>
Subject: FW: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (CBCC)

Hi Alyce,

I am distributing the Sub-plans to relevant sections of Council.

We will need an extension for deadline for comments for the Air quality CEMP Sub-plan and the Noise & Vibration CEMP Sub-plan. I have asked for all

comments by Friday 24/3/23.

Regards

David Milner - Senior Infrastructure Services Officer
T 9707 9345
E David.Milner@cbcity.nsw.gov.au
www.cbcity.nsw.gov.au

@ourcbcity
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From: Michael Robertson-JHG <Michael.Robertson@jhg.com.au>
Sent: Wednesday, 8 March 2023 4:28 PM
To: David Milner <David.Milner@cbcity.nsw.gov.au>
Subject: FW: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (CBCC)

From: Alyce Harrington-JHG <Alyce.Harrington@jhg.com.au>
Sent: Wednesday, 1 March 2023 7:51 PM
To: amita.maharjan@cbcity.nsw.gov.au
Cc: CAHILL, CHERYL <CHERYL.CAHILL@sydneywater.com.au>; Cameron Varricchio <CAMERON.VARRICCHIO@sydneywater.com.au>; Rob Cranston-JHG <Rob.Cranston@jhg.com.au>; Jason Julius-JHG <Jason.Julius@jhg.com.au>; Michael McIlveen-JHG <Michael.McIlveen@jhg.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>
Subject: Upper South Creek (SSI 8906189) CoA C4(h) - Air Quality CEMP Sub-plan - for consultation (CBCC)

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CoA C4 and CoA C13 requires a number of CEMP Sub-plans and Construction Monitoring Programs, respectively, to support the CEMP and they must be developed in consultation with relevant government agencies, including Canterbury-Bankstown City Council (CBCC). A list of the plans and programs relevant to CBCC is provided below.

C4

a. Surface Water & Groundwater CEMP Sub-plan (USCP-JHG-MPL-ENV-0001) (SWGCSP)
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d. Biodiversity CEMP Sub-plan (USCP-JHG-MPL-ENV-0004) (BCSP)
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h. Air Quality CEMP Sub-plan (USCP-JHG-MPL-ENV-0009) (AQCSP)

C13

a. Surface Water Quality Construction Monitoring Program (Appendix E of the SWGCSP)
c. Noise & Vibration Construction Monitoring Program (Appendix E of the NVCSP)

John Holland proposes to issue the relevant plans and programs progressively, following review and approval by Sydney Water. As such, John Holland on behalf of Sydney Water, is please to present to CBCC, the Air Quality CEMP Sub-plan (AQCSP, C4(h)). Please note that as there are a number of references to sections within the CEMP throughout the AQCSP, John Holland has also provided a copy of the CEMP for CBCC reference.

It would be greatly appreciated if any comments regarding this submission are provided by close of business Monday 13 March 2023.

If you have any questions regarding this submission, please contact me.

Kind Regards,

Alyce Harrington
Environment & Approvals Manager
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW

M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au



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From:	David Milner
To:	Alyce Harrington-JHG
Cc:	Michael Robertson-JHG; Rama Sapkota-JHG; Darragh O"Brien-JHG; Mira Segaran-JHG; Aidan O"Driscoll-JHG; Tim Ireland; Paul Angel; David Lowery; Asad Suman; Cameron Crawford
Subject:	RE: Upper South Creek (SSI 8906189) - CEMP & sub-plans
Date:	Wednesday, 29 March 2023 9:54:33 AM
Attachments:	image007.png image008.png image013.png image015.png image016.png image017.png image018.png image019.png image020.png

Hi Alyce,

See below comments received at this time.
I have not yet received comments on the Heritage and Soils & Contamination CEMPs.
I have passed on details as to request that all comments are received by Tuesday 4 April 2023.

Flood Emergency Response CEMP Sub-plan:

Comments from our Urban Policy and Planning team

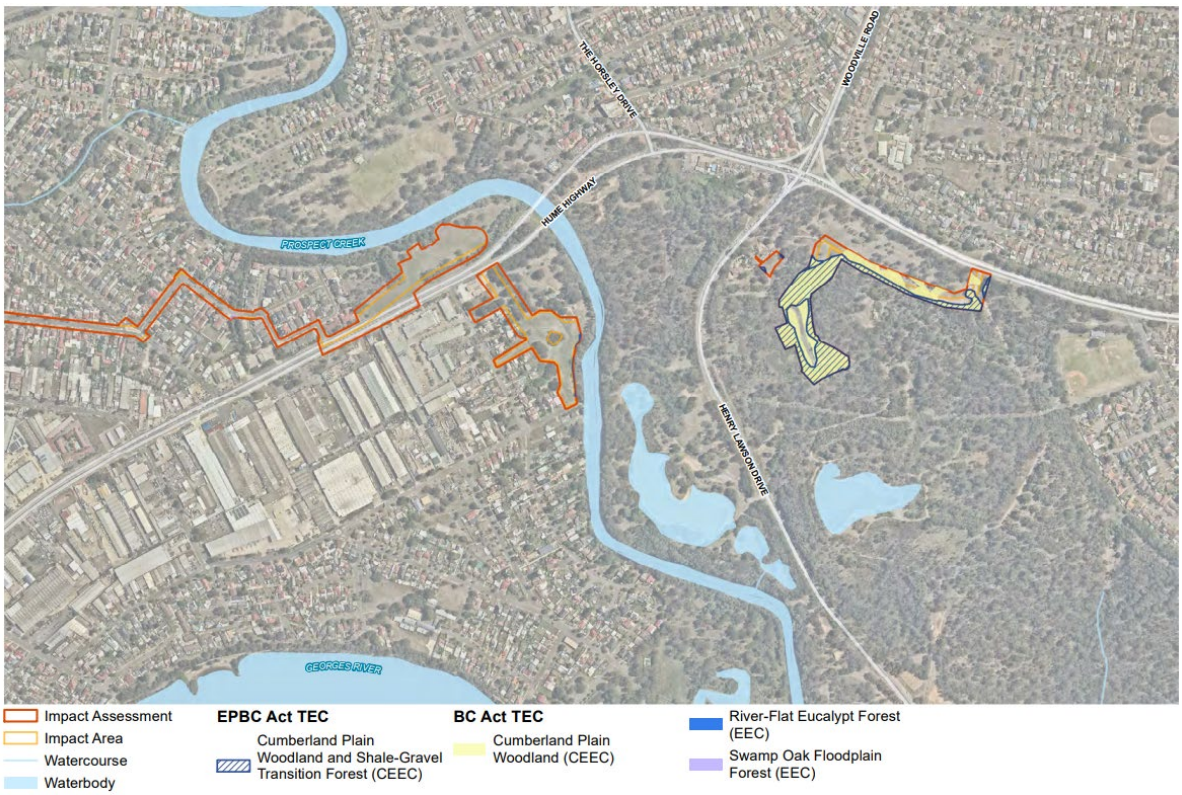
- Section 2.1 (context) reported as This Floor Emergency Response CEMP Sub-plan (FERCSP) should be amended as This Flood Emergency Response CEMP Sub-plan (FERCSP)
- Section 4 LEGISLATIVE AND GUIDANCE REQUIREMENTS reported Canterbury-Bankstown Council LGA, Georges River Floodplain Risk Management Study and Plan (Bewsher Consulting Pty Ltd, 2014) published year should be amended as 2004
- Hazard near me app (developed by the NSW Government) should be also be listed in Section 8.2

Biodiversity CEMP Sub-plan:

Comments from our Urban Policy and Planning team

The biodiversity CEMP covers issues relating to biodiversity impacts and mitigation quite comprehensively, however it does not specifically reference locations so I would like to confirm the following points:

- All vegetation impacted within Canterbury Bankstown, particularly that in Lansdowne Reserve will be regenerated or revegetated with Cumberland Plain Woodland as per CoA E20?
- All areas impacted can be revegetated and the new infrastructure will not result in areas remaining cleared following the development.
- Higher quality vegetation within the impact footprint, like that on the southern side of Tillett Parade will be prioritised for retention over lower quality vegetation like that on the northern side of Tillett Parade.
- No vegetation in the Biodiversity Stewardship Site will be impacted by the proposal.



Noise & Vibration CEMP Sub-plan:

Reviewed by our Environmental Health team and they advised they have no comment

Air Quality CEMP Sub-plan:

Reviewed by our Environmental Health team and they advised they have no comment

Regards

David Milner - Senior Infrastructure Services Officer
T 9707 9345
E David.Milner@cbcity.nsw.gov.au
www.cbcity.nsw.gov.au

CANTERBURY BANKSTOWN

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From: Alyce Harrington-JHG <Alyce.Harrington@jhg.com.au>
Sent: Tuesday, 28 March 2023 10:52 PM
To: David Milner <David.Milner@cbcity.nsw.gov.au>
Cc: Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Rama Sapkota-JHG <Rama.Sapkota@jhg.com.au>; Darragh O'Brien-JHG <Darragh.O'Brien@jhg.com.au>; Mira Segaran-JHG <Mira.Segaran@jhg.com.au>; Aidan O'Driscoll-JHG <Aidan.O'Driscoll@jhg.com.au>; Tim Ireland <Tim.IRELAND@cbcity.nsw.gov.au>; Paul Angel <Paul.ANGEL@cbcity.nsw.gov.au>; David Lowery <David.Lowery@cbcity.nsw.gov.au>; Asad Suman <Asad.Suman@cbcity.nsw.gov.au>
Subject: Upper South Creek (SSI 8906189) - CEMP & sub-plans

Good evening David,

Recently, Canterbury-Bankstown City Council has kindly participated in a stakeholder engagement meeting with John Holland in anticipation of the commencement of construction work within the relevant council area.

During the meeting, we made reference to the CEMP and associated sub-plans and that John Holland would re-issue the plans that had been issued in the lead up to the meeting to ensure they have reached the appropriate audience and subject matter experts within CBCC. The documents are as follows:

- Air Quality CEMP Sub-plan (AQCSP)
- Flood Emergency Response CEMP Sub-plan (FERCSP)
- Heritage CEMP Sub-plan (HCSP)
- Biodiversity CEMP Sub-plan (BCSP)
- Noise & Vibration CEMP Sub-plan (NVCSP)
- Soils & Contamination CEMP Sub-plan (SCCSP)

Progressive submission of these documents commenced on Wednesday 01 March and it would be greatly appreciated if all comments regarding the submissions provided to date are returned by close of business Tuesday 4 April 2023.

Please note that the final CEMP sub-plan (surface water and groundwater) is scheduled to be issued for CBCC review and comment by the end of this week.

If you have any further questions, please do not hesitate to contact me.

Thank you,

Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From:	Alyce Harrington-JHG
To:	Mira Segaran-JHG
Subject:	FW: Canterbury-Bankstown Council meeting minutes 17.03.2023
Date:	Friday, 28 April 2023 7:43:24 AM
Attachments:	20230317_Canterbury Bankstown_Council meeting minutes_FINAL.pdf image001.png image002.png image003.png image004.png image005.png image006.png Bankstown City Council Early Coordination Meeting1 (1).pdf image007.png image008.png image009.png image010.png image011.png image012.png

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Alyce Harrington
Planning, Environment & Approvals Director
Upper South Creek

JOHN HOLLAND

Level 3, 65 Pirrama Road, Pyrmont NSW
M. +61 409 633 908
E. Alyce.Harrington@jhg.com.au

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From: Rama Sapkota-JHG <Rama.Sapkota@jhg.com.au>
Sent: Thursday, 30 March 2023 3:41 PM
To: Paul.Angel@cbcity.nsw.gov.au; Tim.IRELAND@cbcity.nsw.gov.au; Peter.Lay@cbcity.nsw.gov.au; michael.conway@cbcity.nsw.gov.au; Anna.Griggs@cbcity.nsw.gov.au; cameron.crawford@cbcity.nsw.gov.au
Cc: Alyce Harrington-JHG <Alyce.Harrington@jhg.com.au>; Michael Robertson-JHG <Michael.Robertson@jhg.com.au>; Mark Trethewy-JHG <Mark.Trethewy@jhg.com.au>; Aidan O'Driscoll-JHG <Aidan.O'Driscoll@jhg.com.au>
Subject: Canterbury-Bankstown Council meeting minutes 17.03.2023

Hi All,

Please see attached meeting minutes from 17.03.2023.

The 50% design drawings are within the attached slide pack.

Thank you,

Rama Sapkota
Senior Community Engagement Advisor - Upper South Creek project

Meeting Minutes

Title	Stakeholder meeting with Canterbury Bankstown Council on 50% design completion
Date	17/03/2023
Time	2:00pm
Held at	Teams Meeting

Chaired by	Michael Robertson
Minuted by	Rama Sapkota
Distribution Date	

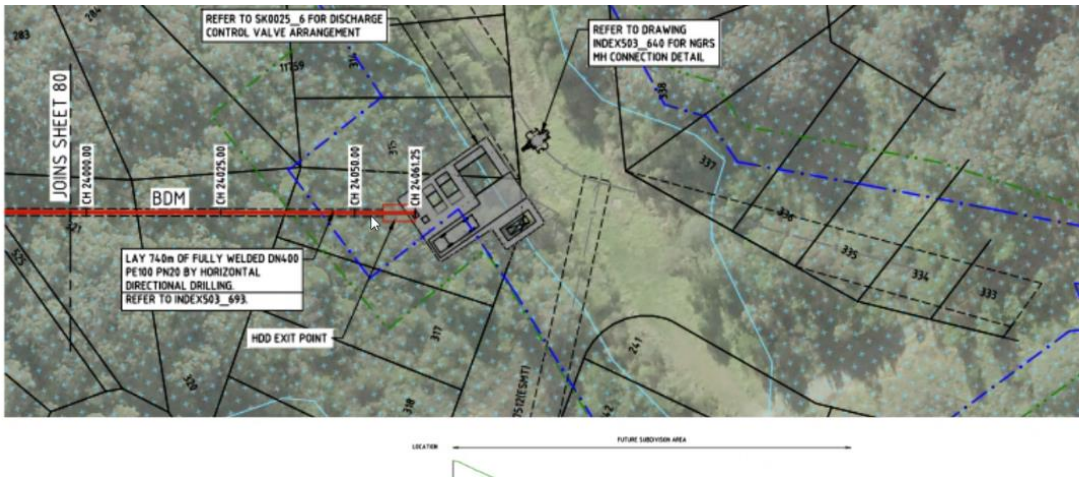
Attendees List

Aidan O'Driscoll (AO), Construction Manager, JHG
Michael Robertson (MR), Community Manager, JHG
Alyce Harrington (AH), Environment & Approvals Manager, JHG
Mark Trethewey (MT), Sustainability Manager, JHG
Rama Sapkota (RS), Senior Community Advisor, JHG
Cameron Crawford (CC), Environmental Planner, Canterbury-Bankstown Council
Glen Moody(GM), Coordinator Asset Planning, Open Space and Buildings, Canterbury-Bankstown Council
David Milner (DM), Senior Infrastructure Services Officer, Canterbury-Bankstown Council
Paul Angel (PA), Bushcare coordinator, Canterbury-Bankstown Council

Apologies List

Description / Action	By Whom	By When
Acknowledgement of Country	MR	
An introduction of the project and introduced the meeting attendees.	MR	
AO provided an overview of the project in the area, treated and brine pipeline and gave overview of timing of design process. DM enquired if the trenching was at bottom end of the sewer? GM enquired if 750m of the project is within their LGA?		

AO confirmed yes.
CC enquired about the timing of the project.
AO went through the project milestone.
AO advised the site set up for this area and will have machinery for a large underbore. This set up will be early due to the sizeable work at this location.
DM enquired about the approach to Lansdowne Reserve?
AO explained the approach methodology including rig set up on either side of the Lansdowne Reserve.
PA advised at the earlier planning stage the approach to the Lansdowne Reserve was different and concerned about impact on biobank site; why is the pipe being pulled from Lansdowne side and not the Chipping Norton side?
AO advise that methodology of coming in from the Lansdowne side.
PA advised that what he has heard previously is opposite to what the current methodology is. Nine months ago it was the opposite as Sydney Water was trying to avoid impacts to Lansdowne biobanking area.
CC explained the methodology in detail, and this will not go through the bio bank.
PA spoke about the heavy truck access to the bore hole site.
ACTION: John Holland will confirm approach for construction within Lansdowne Reserve and the heavy vehicle approach to site.
AO explained the proposed connection to existing sewer and alternate access will be from Henry Lawson Drive.



PA enquired about the image above.

AH explained the construction boundary, showed layers on the GIS and spoke about the revised design as originally approved in the EIS. She also spoke about the Impact Assessment Area. She spoke to the praticality of the EIS access and proposed an alternate access through the fire trail which will give an opportunity to reduce the impact.

AH noted council's concern.

PA concerned about the access from the North as the access routes are not in place. PA spoke about access via western side from Henry Lawson Drive would be better. It may need some work to enable vehicles to come through but at least you don't need to clear bush from the north (with the EIS option). Less disturbance to bush and undisturbed soils. Disturbance and then revegetation from the fire trail to the southwest makes sense and the revegetation will be more beneficial to an already disturbed area.

AH advise that that's what they want to speak to Council about.

GM - is the alternate acceess the replacement or additional access?

AH advise this is the alternate access and the proposed new access will have less impact to bio diversity. Proposed new access would be instead of the access from Tillett Pde from the north rather than in addition to.

PA advised Council favours the southern access.

AO advised the original access as per EIS will have a bigger impact and will require more vegetation clearing.

Henry Lawson Drive – will there be TfNSW approval around the amount of vehicles accessing in and out of site?

AO advised that it will go though TMC and necessary TfNSW apprvovals willl be sought prior to works.

PA enquired if there is a depot site at the location – advised that there are opportunities to use the open space to use Henry Lawson Drive which can be turned into a lane.

AH went though the environmental slides and advsied the sub-plans were issued to Council. Would appreciate any feedback form Council.

DM advsied the sub-plans need to come directly to them. Advised that 4/5 subplans have come through. He will check with PA.

NOTE: Send a list of subplans to DM and he will issue accordingly.

MT went through the slides and requested if Council could please identify the best environment or sustainability contact to address further council and USC collaboration opportunities proposed on Sustainability slides (e.g. asset resilience in response to climate change, material/water/waste reuse/recycling opportunities).

DM advsied that they will send the sustainability contact to JHG.

ACTION: Council to send sustainability contact to JHG.

MR went through the community slides and requested for any upcoming Council festivals? Also, shared the Community Engagement Plan and requested to pass on to their community team.

ACTION: Council to review Community & Stakeholder Engagement Plan and comment on the planned engagement activities and stakeholders
www.sydneywatertalk.com.au/53513/widgets/322594/documents/251449
Link to the project website: www.sydneywatertalk.com.au/uppersouthcreek
Link to planning documents: Upper South Creek Advanced Water Recycling Centre | Planning Portal - Department of Planning and Environment (nsw.gov.au).

PA enquired about the vegetation and maintenance. Council invested money was the vegetation offset, now the trees are maturing and shared concerns that mature trees will be destroyed during this work. Will the council land be re-vegetated and how will be tha land be restored?

AH informed that bio diversity offset has been approved and will take back to SW what mitigation was proposed.

AH advised there is a rehabiliation plan and it will in agreement with Sydney Water.

ACTION: AH to Send Rehabilitation Management Plan.

CM shared concern that it is hard to comment on the design without knowing the rehabiliation plan.

DM noted that SW property should be in contact with the Council's property team.There are Council requirements to get access and would like to have early conversation to facilitate it.

ACTION: Pass on Council details to SW property team to liaise directly. Completed by MR.

PA shared concerns about the rehabilitation, advsied that it will be better to go through the disturbed area and rehabilitate from the Northern end.

AO advised they are looking at alternate access from the south.

MR summarised the issues and asked if there were more questions.

Summary of key issues or interests raised by Council

- Duration in the reserve
- Boring from Lansdowne Reserve
- Impact on biobank site – why is the pipe being pulled from Lansdowne side and not the Chipping Norton side? Nine months ago it was the opposite as Sydney Water was trying to avoid impacts to Lansdowne biobanking area
- Key interest in bio banking
- Any clearing of offset vegetation
- Access via western side from Henry Lawson Drive would be better. It may need some work to enable vehicles to come through but at least you don't need to clear bush from the north (with the EIS option). Less disturbance to bush and undisturbed soils. Disturbance and then revegetation from the fire trail to the southwest makes sense and the revegetation will be more beneficial to an already disturbed area.
    - Proposed new access would be instead of the access from Tillett Pde from the north rather than in addition to – preferred by Council too
- Reviews needed by TfNSW and Council for access off Henry Lawson Drive – for noting
- Acquisition of land / property impacts
- Traffic impacts
- Rehabilitation Management Plan
- Permits for access, construction and ongoing maintenance – request an agreement before work starts – what legislation will this work be done under?

Could council please confirm the above list to allow the Project to be aware that council's key concerns are understood?

Appendix 7 – Consultation Summary Register – Evidence of Consultation

Upper South Creek - Consultation Register - Air Quality Sub Plan

Document	**Consultation Register**
Date Issued	**28/04/2023**
Docu	
Date Due	

Reviewer Name/Agencies	EPA, Penrith, Wollondilly, Liverpool, Fairfield, Canterbury-Bankstown

RESPONSE AGREEMENT STATUS
O Open
C Closed

Relevant Government Agency			Upper South Creek - John Holland		Relevant Government Agency		
Item	**Agency**	**Comments**	**Response Comments**	**By**	**Reviewer Close-out Comments**	**Response Status**	**Date Closed**
1	EPA	No comments raised	N/A				
1	Penrith	No response from council	N/A				
1	Wollondilly	No response from council	N/A				
1	Liverpool	No response from council	N/A				
1	Fairfield	No response from council	N/A				
1	Canterbury-Bankstown	No comments raised	N/A				