

# Appendix D      Emergency Spill Response Procedure

# Emergency Spill Response Procedure

**Document Approval**

Revision	Author	Date	Comments	Approved by
<b>A</b>	C. Kennedy	17/02/2023		M. Chilton
<b>B</b>	C. Kennedy	19/05/2023	Revised as per review comments	M. Chilton

---

# Contents

<b>Glossary/Abbreviations</b> .....	<b>4</b>
<b>1 Introduction</b> .....	<b>5</b>
1.1 Background.....	5
1.2 Purpose.....	5
1.3 Legislation.....	5
<b>2 Incident Preparedness and Response</b> .....	<b>6</b>
2.1 Preventative Strategy .....	7
<b>3 Incident Procedure</b> .....	<b>8</b>
3.1 Immediate Response.....	8
3.2 Classify Incident.....	9
<b>4 Incident Notification</b> .....	<b>10</b>

## Table of figures

FIGURE 1 - PARKLIFE METRO D&C SPILL MANAGEMENT PROCEDURE .....	8
--	---

## Table of tables

TABLE 1 - CLASSIFICATION SYSTEM FOR ENVIRONMENTAL INCIDENTS.....	9
TABLE 2 - EMERGENCY CONTACTS .....	10

## Glossary/Abbreviations

Abbreviation	Expanded Text
<b>CEMF</b>	Sydney Metro Construction Environment Management Framework
<b>CEMP</b>	Construction Environmental Management Plan
<b>CoA</b>	Conditions of Approval
<b>ECM</b>	Environmental Control Measures
<b>EMS</b>	Environmental Management System
<b>Environmental aspect or hazard</b>	Defined by AS/NZS ISO 14001 as an element of an organisation’s activities, products or services that can interact with the environment. The term ‘hazard’ is used throughout this CEMP and has the same meaning as ‘aspect’ for the purposes of compliance with ISO 14001 requirements
<b>Environmental impact</b>	Defined by AS/NZS ISO 14001 as any change to the environment, whether adverse or beneficial, wholly, or partially resulting from an organisation’s environmental aspects
<b>EPA</b>	NSW Environment Protection Authority
<b>EPL</b>	Environment Protection Licence
<b>ER</b>	Environmental Representative nominated by the Proponent and approved by the Planning Secretary in accordance with CoA A27
<b>ESRP</b>	Emergency Spill Response Procedure
<b>EWMS</b>	Environmental Work Method Statement
<b>Hold point</b>	A verification point that prevents work from commencing prior to approval from the appointed authority
<b>POEO Act</b>	Protection of the Environment Operations Act 1997.

# 1 Introduction

## 1.1 Background

This Emergency Spill Response Procedure (ESRP) has been prepared to identify and manage the risk of pollution incidents and facilitate a coordinated management response to pollution incidents during the construction of the SSTOM Works.

The Parklife Metro D&C approach is to carry out construction activities in a planned and controlled manner, considering potential environmental risks, to prevent pollution incidents from occurring on the project. This is achieved using preventive measures including:

- Construction planning including environmental risk assessments,
- Implementation and maintenance of identified control measures,
- Compliance with legislative and regulatory requirements,
- Implementation of, and compliance with, requirements of the project Construction Environmental Management Plan (CEMP) and associated sub-plans, and
- Implementation and compliance with the requirements of this procedure.

## 1.2 Purpose

The primary purpose of the procedure is to describe how Parklife Metro D&C will identify and manage the risk of pollution incidents, plan the response to pollution incidents and to facilitate the coordination with the relevant agencies. The management of environmental incidents will be managed in accordance with the Pollution Incident Response Management Plan as required by Section 153A of the Protection of the Environment Operations Act 1997 (POEO Act) for Environment Protection License (EPL) holders and Sydney Metro's Central Environmental Management Framework (CEMF).

The objectives of the plan are to:

- Minimise and control the risk of a pollution incident at the premises through the early identification of risks and the development of planned actions to minimise and manage those risks,
- Ensure timely communication about pollution incidents by Parklife Metro D&C to SM-WSA Environment Manager, Infrastructure Department, and relevant response agencies/authorities,
- Minimise leaks and spills from construction activities (CEMF 12.1.ii),
- Ensure spill kits are provided at the batch plants, storage areas and main work sites (CEMF 12.3a.vi), and
- Develop a protocol that will be implemented to respond to and remedy leaks or spills (CEMF 12.3a.vii).

## 1.3 Legislation

Key environmental legislation relating to pollution incident response management includes:

- Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act),
- POEO Act,
- Protection of the Environment Operations (General) Regulation 2009, and
- Protection of the Environment Operations (General) Amendment (Pollution Incident Response Management Plans) Regulation 2012.

## 2 Incident Preparedness and Response

Spills will be managed in accordance with this procedure. The management of environmental incidents where material harm to the environment is caused or threatened will be managed in accordance with the Pollution Incident Response Management Plan required by Section 153A of the POEO Act for EPL holders.

Chemicals, hazardous substances, and dangerous goods will be stored and used onsite in accordance with the following control measures:

- Hazardous substances will be stored onsite in lockable containers, in their original receptacles,
- All chemicals and fuels will be clearly labelled and will have Safety Data Sheets available nearby,
- All chemical storage facilities will be designed and constructed in accordance with:
  - All relevant Australian standards,
  - For liquids, a minimum bund volume requirement of 110% of the volume of the largest single stored volume within the bund,
  - Storing and Handling Liquids: Environmental Protection - Participants Manual,
  - Environmental Compliance Report: Liquid Chemical Storage, Handling and Spill Management - Part B Review of Best Practice and Regulation,
  - Storage locations for non-liquids must be identified, away from stormwater drains,
  - Easily accessible for maintenance and spill clean-up in the event of a rupture, and
  - Bunding maintenance must be undertaken to ensure capacity is maintained.
- Mobile bunds to be inspected after rain and where required dewatered in accordance with the controls described in the Soil and Water Management Sub-Plan.
- Storage and handling of flammable or combustible liquids will be in accordance with Environment Protection Authority (EPA) guidelines for Bunding and Spill Management, as well as AS1940-1993 – The Storage and Handling of Flammable and Combustible Liquids,
- An up-to-date register of hazardous substances will be kept onsite at all times,
- Hazardous substances will only be used onsite as required, in accordance with the manufacturer/supplier instructions,
- Any substances with the potential to impact water quality will be assessed, to determine what environmental safeguards or procedures are required for that substance to minimize the risk of environmental harm,
- The use of any hazardous substance that could result in a spill will be undertaken away from drainage or stormwater lines and, wherever possible, within defined bunds,
- Any refuelling on site shall be undertaken in designated areas only. Where this is not practicable i.e., large immobile plant, small equipment items such as pumps, small generators etc. refuelling will be undertaken away from stormwater drains and waterways. A fully stocked spill kit will be on site during refuelling,
- Spill kits will be available on site, in particular near batch plants, storage areas and main work areas,
- All spills or leakages will be immediately contained and cleaned up,
- Spills to be managed in accordance with the Appendix G – Emergency Spill Response Procedure. The management of environmental incidents where material harm to the environment is caused or threatened will be managed in accordance with the projects Emergency Response Plan, and

- Where possible, equipment working over water will have sheathed hydraulic hoses and use biodegradable oil.

## 2.1 Preventative Strategy

It is considered that the key to effective incident prevention on site is via ongoing monitoring, surveillance, and training. During construction, the following preventative strategies will be implemented onsite:

- Daily inspections of active work sites,
- Completion of Environmental Inspection Checklist,
- Issue and quick close-out of non-compliance notices (as required),
- Prompt maintenance and repairs,
- Ongoing environmental training,
- Environmental audits of worksites, sub-contractors, and general compliance, and
- Environmental and safety information on hazardous substances (e.g., SDS) will be available at the main site office and where such substances are to be stored.

Testing of environmental response procedures will be conducted annually to confirm appropriateness of management measures. Additional testing will be carried out in areas where a pollution risk is present, such as in workshops and work areas near water courses. Personnel involved in emergency response activities will be provided with specific training.

An up-to-date list of emergency response personnel and relevant organisations (emergency services, Department of the Environment and Energy, NSW EPA, etc) will be maintained at the main office and site compounds. See Table 2 - Emergency Contacts.

Spill kits are in compound areas, site vehicles and at the location of high-risk activities. Spill kits will be monitored as part of weekly inspections and will be replenished as required. These kits are designed for immediate containment and management of pollution incidents and, as a minimum, are stocked with the following material:

- Absorbent mats,
- Absorbent floor sweep material,
- Floating booms to control spills in water, and
- Disposal bags.



## 3 Incident Procedure

### 3.1 Immediate Response

Personnel in the vicinity must stop works. Consider any safety hazards created by the incident and if safe to do so, apply immediate controls to attempt to minimize further harm to the environment. This could include use of spill kit material depending on the severity of the incident.

After works cease in the vicinity of the spill, the procedure in Figure 1 will be followed to ensure impacts are minimised as much as practicable.

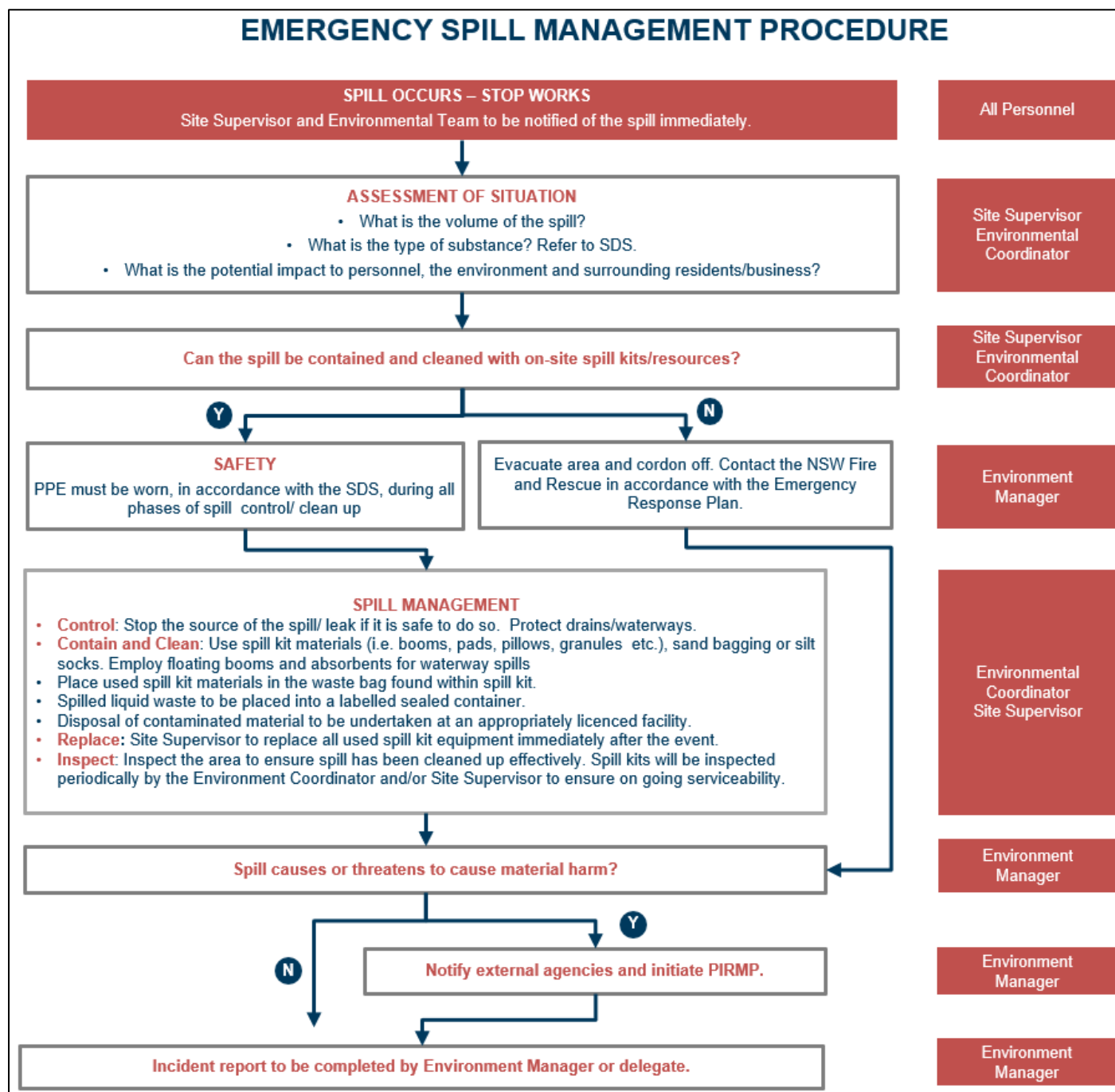


FIGURE 1 - PARKLIFE METRO D&C SPILL MANAGEMENT PROCEDURE

## 3.2 Classify Incident

Incident classification will be undertaken in accordance with Sydney Metro’s Environmental Incident and Non-compliance Reporting Procedure, a copy of which is provided in the CEMP. The Sydney Metro procedure classifies environmental incidents into one of three Classes that are based upon the consequence descriptors for environmental risks in the Sydney Metro Risk Matrix (refer to Sydney Metro Risk Management Standard). Each of these classifications trigger a variety of management actions and/or legislative requirements depending on the severity of the consequence described where Class 3 represents minor consequences and Class 1 represents major consequences.

This matrix is further sub-divided into consequence ratings ranging from C6 (low impact) to C1 (high impact). An incident transitions between a Class 3 to a Class 2 incident once material harm has been caused, and transitions into a Class 1 incident once it is determined that the Environmental Harm caused in large-scale and cannot be remediated. See Table 1 - Classification System for Environmental Incidents

TABLE 1 - CLASSIFICATION SYSTEM FOR ENVIRONMENTAL INCIDENTS

Class 3			Class 2		Class 1
C6	C5	C4	C3	C2	C1
No appreciable changes to environment and/or highly localised event	Change from normal conditions within environmental regulatory limits and environmental effects are within site boundaries	Short-term and/or well-contained environmental effects. Minor remedial actions probably required	Impacts external ecosystem and considerable remediation is required.	Long-term environmental impairment in neighbouring or valued ecosystems Extensive remediation required	Irreversible largescale environmental impact with loss of valued ecosystems

## 4 Incident Notification

Personnel onsite to immediately contact their supervisor who then will notify the Parklife Metro D&C Environment Manager, or delegate. The Environment Manager will notify relevant stakeholders, as required by Sydney Metro’s Environmental Incident and Non-compliance Reporting Procedure.

The Parklife Metro D&C Environmental Manager (or delegate) will notify the SM Environment Manager and Environmental Representative (ER). Incident notification and reporting will be undertaken in accordance with Sydney Metro’s Environmental Incident and Non-compliance Reporting Procedure, a copy of which is provided in the CEMP.

The following organisations may be notified if the incident ‘causes or threatens to cause material harm to the environment’:

- Commonwealth Department of the Environment and Energy and Commonwealth Department of Infrastructure Regional Development and Cities,
- NSW EPA,
- Ministry of Health (via the Public Health Unit),
- Work Cover Authority,
- Local Council, and
- Fire and Rescue NSW.

The information that will be reported is:

- Time, date, location, and likely duration of incident,
- Location of place where incident is occurring or likely to occur,
- Type of incident (e.g., chemical spill, water pollution etc.),
- Extent of incident (e.g., magnitude of spill, area covered etc.), and
- Action taken or proposed to be taken to deal with the incident and any resulting pollution or threatened pollution.

Notifications to authorities must be made via verbal communication (i.e. – via telephone call.)

TABLE 2 - EMERGENCY CONTACTS

Position	Responsibility	Contact	Contact Details
Parklife Metro D&C Environmental Manager	24hr availability for activating Emergency Spill Response Procedure (ESRP). Notifying SM Environment Manager	Mark Chilton	0488 477 686
Parklife Metro D&C Community Relations Manager	Notifying community, key stakeholders, coordinating media communications.	Rebecca Noakes	0438 438 768
Parklife Metro D&C Project Director	Notifying SM	Richard Graham	0437 833 314
Parklife Metro D&C Construction Manager	Notifying Project Director. Managing Incident as per ESRP.	Jacob Latter	0417 536 451

Parklife Metro D&C General Superintendent	Notifying Construction Manager. Notifying Area Manager. Coordinating incident response Liaising with emergency response organizations. Provision of labour, equipment or support to the Environmental Staff and emergency response organizations as requested.	TBA	TBA
Sydney Metro Environment Manager	Liaising with Parklife Metro D&C Environment Manager	Forster Walker	0429 782 717
NSW EPA	Report pollution in NSW	Environment Line	131 555
WaterNSW	Any incident within or potentially affecting the Controlled Areas of the WaterNSW Pipelines corridor	WaterNSW 24-hour Incident Notification Number	1800 061 069
Fire and Rescue NSW			000
Police Department			000
NSW Health			1300 066 055
SafeWork NSW			13 10 50
Liverpool City Council		Stella Qu	1300 362 170
Penrith City Council		Lauren Vallejo	0439 608 010

# Appendix E      Dewatering Permit

## Dewatering and Water Reuse Permit

Sydney Metro – Western Sydney Airport: Stations, Systems, trains, Operations and Maintenance

<b>Date &amp; Time Inspected:</b>		<b>Location:</b>		
<b>Permit Validity:</b>		<b>Personnel Involved:</b>		
<b>Is inspection following a rainfall event?</b> Yes / No	If yes, record rainfall for previous 24 hours		Rainfall 24hr:	mm
	If no, when was the last rainfall event		Date:	
Approximate volume of water in the basin (as a % of the total capacity)?		Approximate volume of water requiring dewatering?		
<b>Water Source</b>				
Sediment Basin <input type="checkbox"/>	Excavation <input type="checkbox"/>	WTP <input type="checkbox"/>	Holding Tank <input type="checkbox"/>	Other _____
<b>Discharge Location</b>				
Holding Pit / Tank <input type="checkbox"/>	Vacc Truck <input type="checkbox"/>	Water Cart / Dust Suppression <input type="checkbox"/>	EPL Discharge Point <input type="checkbox"/> ID _____	Other _____
<b>Pollutant</b>	<b>Units</b>	<b>Test Results</b>		<b>100 Percentile Concentration Limits</b>
		<b>Sample 1</b> (pre-treatment)	<b>Sample 2</b> (post-treatment)	
<b>Oil &amp; grease</b>	Visible (visual inspection)			Not visible
<b>pH</b>	pH (probe)			6.5 – 8.5
<b>Turbidity</b>	NTU (probe)			50
<b>Note for testing frequency:</b>				
<ul style="list-style-type: none"> <li>- Oil &amp; grease and pH should be tested less than 24 hours prior to a controlled discharge and daily for any continued controlled discharge, when it is safe to do so.</li> <li>- Turbidity should be tested when rainfall causes a discharge from a sediment basin which has not been emptied within the design management period following cessation of a rainfall event, when it is safe to do so.</li> </ul>				
<b>Treatment Required</b> (e.g. flocculant, pH adjustment):				
<b>Controls in place</b> (e.g. scour protection, float to avoid disturbance of settled material, visual monitoring):				
<b>Notes of permit:</b>				
<ul style="list-style-type: none"> <li>- Supervision is required for all pumping / discharge activities.</li> <li>- Discharge must cease if water quality changes.</li> </ul>				
<b>Responsible Person (Supervisor / WTP Operator)</b>			<b>Permit Approver</b>	
Name:			Name:	
Signature:			Signature:	
Date:			Date:	
<b>Notes on discharge approval:</b>				
<ul style="list-style-type: none"> <li>- Two signatures are required prior to dewatering.</li> <li>- The approval to discharge from the sediment basin must be given by the ESR and Project Manager (or engineer with delegated authority).</li> </ul>				

# Appendix F      Records of Consultation

## Consultation Summary

Document Reference	Stakeholder	Comment	Parklife Metro D&C Response
<b>Appendix C</b>	Penrith City Council	It is requested that where contamination is identified within the Penrith Local Government Area, and is to be addressed through preparation and implementation of a Detailed Site Investigation, Dam De-Watering Plan, Remediation Action Plans, Site Audit Statements or similar that Council be notified and copies of the Contamination Assessment and any associated documentation be provided to Council. This will in turn allow for these Assessments to be registered to the subject property files and future consideration under each corresponding Section 10.7 Planning Certificate. It is also requested that this be implemented into the Contamination and Asbestos Unexpected Finds procedure in Appendix C of the Soil and Water Management Plan.	Noted. The Contamination and Asbestos Unexpected Finds Procedure found in Appendix C of the SWMP has been revised to include an action to forward any assessment or management documentation to the relevant Local Council.
<b>SWMP</b>	DPI Fisheries	It is noted that condition C5 required referral of this document to DPI Fisheries.	Noted.
<b>SWMP</b>	DPI Fisheries	NSW Environment Protection Authority (EPA) is the regulatory authority for water quality. It is recommended that advice on this document is sought from the NSW EPA.	Noted. Ongoing discussions are being held with NSW EPA regarding the regulatory framework and approvals for water quality discharge.
<b>SWMP Section 4.6</b>	DPI Fisheries	Please review section 4.6, dot point should read "Blaxland Creek" not "Blaxland Cree"	Typo has been fixed.
<b>SWMP Section 6.1.1</b>	DPI Fisheries	An Erosion and Sediment Control Plan (ESCP) must be prepared and implemented in a manner consistent with currently accepted Best Management Practice (i.e. Managing Urban Stormwater: Soils and Construction 4th Edition Landcom, 2004). Erosion and sediment control (ESC) devices must be designed to prevent sediment from entering the waterway and to prevent sediment plumes from spreading within the waterway. ESC devices must be installed prior to earth works commencing and be maintained in good working order for the duration of the works and subsequently until the site has been stabilised and the risk of erosion and sediment movement from the site is minimal.	Section 6.1.1 includes details on the ESCP, which includes that ESCPs are to be prepared in accordance with the Bluebook. This section has been updated to more closely align with the wording provided by DPI Fisheries.
<b>SWMP</b>	DPI Fisheries	Material storage and stockpiling should occur well away from the waterway (with the aim of keeping the impacted area to a minimum).	Sections 6.7 and 6.8 updated to reflect the wording around keeping materials storage and stockpiling away from waterways.  In addition, a new mitigation measure (SW_M18) has been added to Table 12.



Document Reference	Stakeholder	Comment	Parklife Metro D&C Response
<b>SWMP</b>	DPI Fisheries	A Dewatering Management Plan should include provisions to protect fish during the dewatering process. It should specifically consider any potential off-site impacts as a result of the dewatering operations and contain mitigation controls to effectively treat any discharge waters to prevent offsite pollution of any receiving waters.	The considerations identified identified by DPI Fisheries in this comment would be incorporated into any EWMS prepared to manage dewatering activities. Table 12 has been updated with a new management measure to prepare this EWMS (SW_M19).
<b>SWMP</b>	DPI Fisheries	Dewatering of temporary in-stream structures requires notification to NSW DPI seven days prior to any dewatering activities commencing in order to organise any fish rescue activities. If required, a separate s.37 permit should be obtained from NSW DPI to relocate fish.	This comment relates to management and permitting of flora and fauna impacts under the Fisheries Management Act 1994 and is managed under the Flora and Fauna Management Sub-plan (See Section 6.9 of that Sub-plan).
<b>SWMP Section 6.5</b>	DPI Fisheries	Temporary waterway crossings should be designed in accordance with Fish Passage Requirements for Waterway Crossings and Policy (2003) and Guidelines for Fish Friendly Waterway Crossings (2003).	The references to Fish Passage Requirements for Waterway Crossings and Policy (2003) and Guidelines for Fish Friendly Waterway Crossings (2003) has been added to Section 6.5.
<b>SWMP Section 6.11, Table 12</b>	DPI Fisheries	When conducting works in waterways a floating silt curtain is to be erected in a semicircular arrangement with ends against the bank so as to contain all suspended sediments within the work area.	Table 20 has been updated with SW_M20 to include this management measure.
<b>Appendix B SWQMP</b>	DPI Fisheries	It is noted that condition C13 required referral of this document to DPI Fisheries.	Noted.
<b>Appendix B SWQMP</b>	DPI Fisheries	Section 4 Baseline Data has an error at the end of the second paragraph, it is unclear in which section the site-specific trigger values are further discussed.	Reference has been updated.
<b>Appendix B SWQMP</b>	DPI Fisheries	As NSW EPA are the regulatory authority for water quality, advice should be sought by them to determine the adequacy of the trigger values.	Ongoing consultation is being undertaken with NSW EPA. Whilst trigger values are not required to be agreed with NSW EPA, the ongoing consultation does include determination of the appropriate discharge criteria in accordance with Condition E130.

Document Reference	Stakeholder	Comment	Parklife Metro D&C Response
<b>Appendix B SWQMP</b>	DPI Fisheries	It is recommended that where an exceedance is detected in the monitoring that work ceases immediately until the cause of the exceedance is identified and rectified. Monitoring of the exceedance should continue and works only allowed to recommence when a sampling event confirms reading have dropped below the limit.	If the exceedance is determined to be attributable to SSTOM Works, the event will be treated as an environmental incident and will be managed in accordance with the requirements included in Section 3.8 of the CEMP.
<b>Appendix B SWQMP</b>	DPI Fisheries	Where an exceedance is confirmed as per the Trigger Action Response, increased monitoring frequency should be determined in consultation with the EPA.	If the exceedance is determined to be attributable to SSTOM Works, the event will be treated as an environmental incident and will be managed in accordance with the requirements included in Section 3.8 of the CEMP.
<b>Appendix B SWQMP</b>	DPI Fisheries	Both DPI Fisheries and NSW EPA should be notified in the event of an exceedance.	Pollution incidents and events with the potential to pollute will be reported to DPE and relevant public authorities (as determined by the Planning Secretary) in accordance with Appendix A of the Project Approval (SSI-10051) and to the EPA and any other public authorities identified in the EPL, which is yet to be finalised (see Section 3.8 of the CEMP.)
<b>Appendix B SWQMP</b>	DPI Fisheries	DPI Fisheries (1800 043 536) and the EPA (131 555) is to be notified immediately if any fish kills occur in the vicinity of the works. In such cases, all works other than emergency response procedures are to cease until the issue is rectified and approval is given by DPI Fisheries and/or the EPA for the works to proceed.	Fish kills that occur as a result of SSTOM Works will be treated as an environmental incident and will be managed in accordance with the requirements included in Section 3.8 of the CEMP.
<b>SWQMP</b>	DPE Water	Confirmed that DPE Water have no issues.	Noted.
<b>SWMP and SWQMP</b>	Liverpool City Council	The Environmental Impact Statement for the Project confirms that operation of the Project would be a scheduled activity under Schedule 1 of the Protection of the Environment Operations (POEO) Act 1997. 'Railway activities-railway infrastructure construction' and 'Railway activities-railway infrastructure operation' are identified in Schedule 1 of the Protection of the Environment Operations Act 1997 as scheduled activities requiring an Environment Protection Licence.	Parklife Metro D&C have ongoing consultation with the NSW EPA regarding licencing and consultation will continue during construction. The SSTOM Works will have an EPL applicable to construction. Application for an operational EPL will occur prior to

Document Reference	Stakeholder	Comment	Parklife Metro D&C Response
		<p>It is therefore expected that the Project will be constructed and operated in accordance with the requirements of the POEO Act 1997 and any relevant Environment Protection Licence issued by the NSW EPA. Consequently, it is understood that the NSW EPA would be the Appropriate Regulatory Authority (ARA) for the proposed construction and operation of the Project. Although not specified in Condition C5 of the Project Approval, it is requested that the NSW EPA is also consulted in relation to soil and water management and noise and vibration matters including preparation of the individual sub-plans for the Project.</p>	<p>that phase of the works, in consultation with the NSW EPA.</p>
<p><b>SWMP and SWQMP</b></p>	<p>Liverpool City Council</p>	<p>Independent audits are required of the Project in accordance with Condition A36 of SSI 10051 and the Department's 2020 Independent Audits Post Approval Requirements (or IAPAR). In this case, it is requested that the submitted documentation is audited as it relates to post-approval requirements and compliance for the Project.</p> <p>The required audit scope is outlined in Section 3.3 of the IAPAR and necessitates an assessment of all conditions of consent applicable to the phase of the development. It is requested that the auditor assesses conformance with all post approval and compliance documents prepared to satisfy the conditions of consent, including an assessment of the Construction Environmental Management Plan and sub-plans.</p> <p>Consistent with Section 3.3 of the IAPAR, the auditor must review the environmental performance of the development with consideration for the Environmental Impact Statement and assess the adequacy of the Environmental Management Plans and sub-plans (Conditions C1 to C12). In particular, the auditor must focus on the construction noise and vibration and soil and water CEMP sub-plans and any other relevant monitoring requirements imposed by the Applicant's Environmental Management System. In addition to the above requirements, it is requested that the auditor ascertains whether the Applicant has addressed the key issue conditions relating to noise and vibration (Conditions E37 to E60); and water (Conditions E126 to E134). The auditor must also consider any other matters raised by the Department, regulatory requirements, Project performance and industry best practice.</p>	<p>The independent audits will be undertaken for the project in accordance with Condition A36. The audits are described in Section 3.9.4 of the CEMP, and are the responsibility of Sydney Metro.</p>
<p><b>SWMP and SWQMP</b></p>	<p>Liverpool City Council</p>	<p>To improve environmental health outcomes and efficiency during the development assessment process, Council requires development applications to be supported by technical reports prepared or reviewed and certified by suitably qualified and industry certified environmental consultants. In this regard, Council requires acoustic reports to be prepared or reviewed and certified by a suitably qualified acoustic consultant who is a member of the Australian Acoustical</p>	<p>The CEMF, CNVS, CTMF, REMMs and the Infrastructure Approval identify where technical experts are required to prepare document or provide review and/or endorsement. Parklife Metro D&amp;C acknowledge Liverpool City Councils comment and will ensure documents are prepared, reviewed</p>

Document Reference	Stakeholder	Comment	Parklife Metro D&C Response
		<p>Society or employed by an Association of Australasian Acoustical Consultants (AAAC) member firm.</p> <p>In accordance with Council's requirements, general environmental reports are required to be prepared or reviewed and certified by a suitably qualified environmental consultant who is certified under the Environment Institute of Australia and New Zealand- Certified Environmental Practitioner (CEnvP) scheme. It is recommended that the Department adopts a similar approach during their assessment of the Application. Further information is available on Council's website at <a href="https://www.liverpool.nsw.gov.au/development/development-and-building">https://www.liverpool.nsw.gov.au/development/development-and-building</a></p>	<p>and/or endorsed by expert practitioners, as applicable.</p>

# 1 Penrith City Council

Note: Applicable to the Soil and Water Management Sub-plan and the Surface Water Quality Monitoring Program.

## REVIEW COMMENTS SHEET

DOCUMENT NO.	TITLE	VER	STATUS	NO.	DATE	COMPANY	RAISED BY	REVIEW DOC. NO.*	DOCUMENT REF*	DEED REF*	COMMENTS / RESPONSE	COMMENT CATEGORY*	CLOSED OUT
				46	24/04/2023	PCC	LVALLEJO	SMWSASSM-PLD-1NL-PC-PLN-000020	General	NA	It is requested that where contamination is identified within the Penrith Local Government Area, and is to be addressed through preparation and implementation of a Detailed Site Investigation, Dam De-Watering Plan, Remediation Action Plans, Site Audit Statements or similar that Council be notified and copies of the Contamination Assessments and any associated documentation be provided to Council. This will in turn allow for these Assessments to be registered to the subject property files for future consideration under each corresponding Section 10.7 Planning Certificate. It is also requested that this be implemented into the Contamination and Asbestos Unexpected Finds procedure found in Appendix C of the Soil and Water Management Sub-Plan.	Observation	N
						PLM		SMWSASSM-PLD-1NL-PC-PLN-000020	General	NA	Noted. The Contamination and Asbestos Unexpected Finds Procedure found in Appendix C of the SWMP has been revised to include an action to forward any assessment or management documentation to the relevant Local Council.	Observation	N

---

## 2 Liverpool City Council

Note: Applicable to the Soil and Water Management Sub-plan and the Surface Water Quality Monitoring Program.

**From:** [Mark Chilton](#)  
**To:** [Colin Kennedy](#)  
**CC:** [Jenny Bradford](#)  
**Subject:** FW: Liverpool Council Response RE: SMWSA Project - SSTOM Works Environmental Management Plans for review  
**Date:** Monday, 26 June 2023 10:00:34 AM  
**Attachments:** [image008.png](#)  
[image009.png](#)

---

**From:** Peter Nelson <[NelsonP@liverpool.nsw.gov.au](mailto:NelsonP@liverpool.nsw.gov.au)>  
**Sent:** Monday, June 26, 2023 9:40 AM  
**To:** Mark Chilton <[mark.chilton@parklifejv.au](mailto:mark.chilton@parklifejv.au)>  
**Subject:** Liverpool Council Response RE: SMWSA Project - SSTOM Works Environmental Management Plans for review

Mark,

Many apologies for not replying to your e-mail requests in a timely manner.

Council has reviewed the e-mails you indicated were sent through for comment on 13<sup>th</sup> March, 29<sup>th</sup> March, 5<sup>th</sup> April. Council have received the following documents:

13 March – Document provided: “Non-Aboriginal Heritage Management Sub-plan SMWSASSM-PLD-1NL-PC-PLN-000026 (Rev B)”  
27 March – Document Provided: “Non-Aboriginal Heritage Management Sub-plan SMWSASSM-PLD-1NL-PC-PLN-000026 (Rev B)”  
30 March – Documents Provided: “Sydney Metro - WSA - SSTOM - Noise and Vibration Management Plan SMWSASSM-PLD-1NL-PC-PLN-000024 (Rev B)”  
“Sydney Metro WSA - SSTOM - Soil and Water Management Plan SMWSASSM-PLD-1NL-PC-PLN-000020 (Rev B)”

Following internal referral to Council’s relevant subject matter experts, the following advice is provided:

#### **Heritage**

1. Prior to commencement of works, a dilapidation report should be prepared for Kelvin Park House.
2. During works, vibration monitoring should be undertaken at Kelvin Park House during excavation and tunnelling works.
3. On completion, a post works dilapidation report should be undertaken and any changes assessed and repaired where required.

#### **Environmental Health**

It is noted that the Minister for Planning and Public Spaces granted approval for the critical State Significant Infrastructure (CSSI) project on 14<sup>th</sup> April 2022 subject to conditions of consent. Condition C5, Part C of the Project Approval requires the Construction Environmental Management Plan (CEMP) noise and vibration sub-plan and soil and water sub-plan to be prepared in consultation with Council.

In accordance with the Project Approval, CEMP Sub-plans, except for any subplans expressly nominated by the Planning Secretary, must be endorsed by the Environmental Representative only. Council was recently provided with the opportunity to provide feedback regarding the following documentation for the Project:

- Soil and Water Management Sub-Plan SMWSASSM-PLD-1NL-PC-PLN-000020 (Rev B) prepared by Parklife Metro D & C dated 27<sup>th</sup> March 2023; and
- Noise and Vibration Management Sub-Plan SMWSASSM-PLD-1NL-PC-PLN-000024 (Rev B) prepared by Parklife Metro D & C dated 27<sup>th</sup> March 2023

The Environmental Impact Statement for the Project confirms that operation of the Project would be a scheduled activity under Schedule 1 of the *Protection of the Environment Operations (POEO) Act 1997*. ‘Railway activities-railway infrastructure construction’ and ‘Railway activities-railway infrastructure operation’ are identified in Schedule 1 of the *Protection of the Environment Operations Act 1997* as scheduled activities requiring an Environment Protection Licence.

It is therefore expected that the Project will be constructed and operated in accordance with the requirements of the *POEO Act 1997* and any relevant Environment Protection Licence issued by the NSW EPA. Consequently, it is understood that the NSW EPA would be the Appropriate Regulatory Authority (ARA) for the proposed construction and operation of the Project. Although not specified in Condition C5 of the Project Approval, it is requested that the NSW EPA is also consulted in relation to soil and water management and noise and vibration matters including preparation of the individual sub-plans for the Project.

Independent audits are required of the Project in accordance with Condition A36 of SSI 10051 and the Department’s 2020 *Independent Audits Post Approval Requirements* (or IAPAR). In this case, it is requested that the submitted documentation is audited as it relates to post-approval requirements and compliance for the Project.

The required audit scope is outlined in Section 3.3 of the IAPAR and necessitates an assessment of all conditions of consent applicable to the phase of the development. It is requested that the auditor assesses conformance with all post approval and compliance documents prepared to satisfy the conditions of consent, including an assessment of the Construction Environmental Management Plan and sub-plans.

Consistent with Section 3.3 of the IAPAR, the auditor must review the environmental performance of the development with consideration for the Environmental Impact Statement and assess the adequacy of the Environmental Management Plans and sub-plans (Conditions C1 to C12). In particular, the auditor must focus on the construction noise and vibration and soil and water CEMP sub-plans and any other relevant monitoring requirements imposed by the Applicant’s Environmental Management System. In addition to the above requirements, it is requested that the auditor ascertains whether the Applicant has addressed the key issue conditions relating to noise and vibration (Conditions E37 to E60); and water (Conditions E126 to E134). The auditor must also consider any other matters raised by the Department, regulatory requirements, Project performance and industry best practice.

To improve environmental health outcomes and efficiency during the development assessment process, Council requires development applications to be supported by technical reports prepared or reviewed and certified by suitably qualified and industry certified environmental consultants. In this regard, Council requires acoustic reports to be prepared or reviewed and certified by a suitably qualified acoustic consultant who is a member of the Australian Acoustical Society or employed by an Association of Australasian Acoustical Consultants (AAAC) member firm.

In accordance with Council’s requirements, general environmental reports are required to be prepared or reviewed and certified by a suitably qualified environmental consultant who is certified under the Environment Institute of Australia and New Zealand- Certified Environmental Practitioner (CEnvP) scheme. It is recommended that the Department adopts a similar approach during their assessment of the Application. Further information is available on Council’s website at <https://www.liverpool.nsw.gov.au/development/development-and-building>.

Regards,

**Peter Nelson**  
Principal Strategic Planner

**LIVERPOOL CITY COUNCIL** 02 8711 7895 | 0475 585 429 | [NelsonP@liverpool.nsw.gov.au](mailto:NelsonP@liverpool.nsw.gov.au)  
Customer Service: 1300 36 2170 | 33 Moore Street Liverpool, NSW 2170, Australia  
[f](#) [i](#) [in](#) [www.liverpool.nsw.gov.au](http://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:** Mark Chilton <[mark.chilton@parklifejv.au](mailto:mark.chilton@parklifejv.au)>  
**Sent:** Wednesday, May 10, 2023 11:39 AM  
**To:** Stella Qu <[QuS@liverpool.nsw.gov.au](mailto:QuS@liverpool.nsw.gov.au)>; Peter Nelson <[NelsonP@liverpool.nsw.gov.au](mailto:NelsonP@liverpool.nsw.gov.au)>  
**Subject:** SMWSA Project - SSTOM Works Environmental Management Plans for review

Dear Peter and Stella

In relation to the emails/transmittals sent to you on the 13<sup>th</sup> March, 29<sup>th</sup> March, 5<sup>th</sup> April regarding the review of the Non-Aboriginal Heritage Management Sub-plan, Flora and Fauna Management Sub-plan, Soil and Water Management Sub-plan, Noise and Vibration Management Sub-plan and Air Quality Monitoring Program. Should you have any questions regarding any of these documents or would like to meet to discuss any issues please contact me at your convenience.




It is our intention to finalise these documents in the near term and we would greatly appreciate any comments you may have or alternately if you have no comment a response to this affect.

Kind Regards

**Mark Chilton**  
Environment Manager  
Mob. +61-0488 477 686  
email: [mark.chilton@parklifejv.au](mailto:mark.chilton@parklifejv.au)  
Parklife Metro JV  
680 George Street, Sydney NSW 2000



 Think eco-friendly before printing this message

**Disclaimer:** This email (including any attachments) may contain confidential, proprietary, and privileged information, and unauthorised disclosure or use is prohibited. If you received this email in error, please notify the sender, and delete this email from your system.

**Disclaimer**

This email has been scanned for viruses and malware, and may have been automatically archived by **Mimecast Ltd**, on behalf of **Liverpool City Council**.

=====  
This message may contain information that is confidential and is being sent exclusively to the Recipient. If you are not the designated Recipient, you are prohibited from utilising, copying or divulging the information contained in this message and in its attachments, if any, or taking any action whatsoever on the basis of the information herein. If you have received this message by mistake, we ask you to kindly inform the Sender and to delete the message and any attachment. The declarations and attachments to this message are attributable exclusively to the Sender and cannot be considered either as authorised or transmitted by Parklife Metro Joint Venture; such declarations or attachments do not bind Parklife Metro Joint Venture to the addressee or to third parties. Parklife Metro Joint Venture assumes no responsibility for any interception, modification or damage to this message. It is understood that, with regard to the messages sent by its network, Parklife Metro Joint Venture is not responsible for any statements made or opinions expressed that are not strictly related to Parklife Metro Joint Venture's operations.  
=====

=====  
This message may contain information that is confidential and is being sent exclusively to the Recipient. If you are not the designated Recipient, you are prohibited from utilising, copying or divulging the information contained in this message and in its attachments, if any, or taking any action whatsoever on the basis of the information herein. If you have received this message by mistake, we ask you to kindly inform the Sender and to delete the message and any attachment. The declarations and attachments to this message are attributable exclusively to the Sender and cannot be considered either as authorised or transmitted by Parklife Metro Joint Venture; such declarations or attachments do not bind Parklife Metro Joint Venture to the addressee or to third parties. Parklife Metro Joint Venture assumes no responsibility for any interception, modification or damage to this message. It is understood that, with regard to the messages sent by its network, Parklife Metro Joint Venture is not responsible for any statements made or opinions expressed that are not strictly related to Parklife Metro Joint Venture's operations. =====

### **3            DPI Fisheries**

Note: Applicable to the Soil and Water Management Sub-plan and the Surface Water Quality Monitoring Program.

Our Ref: C23/218

04 May 2023

Your Ref: SSI-10051

Parklife Metro D&C  
Attn: Mark Chilton

Dear Mark,

**Consultation for Western Sydney Airport Stations, Systems, Trains, Operations and Maintenance (SSTOM) – Soil and Water Management Sub-plan and Appendix B Surface Water Quality Monitoring Program**

Thank you for your referral of 05/04/2023 seeking comment on the proposal from DPI Fisheries, a division of NSW Department of Primary Industries on the proposed works stated above. This notification complies with s.199(1)(a) of the *Fisheries Management Act 1994* (FM Act) concerning the proposed dredging and reclamation activities.

DPI Fisheries is responsible for ensuring that fish stocks are conserved and that there is no net loss of key fish habitats upon which they depend. To achieve this, DPI Fisheries ensures that developments comply with the requirements of the *Fisheries Management Act 1994* (FM Act) (namely the aquatic habitat protection and threatened species conservation provisions in Parts 7 and 7A of the Act, respectively), and the associated *Policy and Guidelines for Fish Habitat Conservation and Management (2013)*. DPI Fisheries is also responsible for ensuring the sustainable management of commercial, recreational and Aboriginal cultural fishing, aquaculture, marine parks and aquatic reserves within NSW.

DPI Fisheries has reviewed the Soil and Water Management Sub-plan and Appendix B Surface Water Quality Monitoring Program in light of those provisions and has the following advice:

**Soil and Water Management Sub-plan**

1. It is noted that condition C5 required referral of this document to DPI Fisheries.
2. NSW Environment Protection Authority (EPA) is the regulatory authority for water quality. It is recommended that advice on this document is sought from the NSW EPA.
3. Please review section 4.6, dot point should read “Blaxland Creek” not “Blaxland Cree”.
4. An Erosion and Sediment Control Plan (ESCP) must be prepared and implemented in a manner consistent with currently accepted Best Management Practice (i.e. *Managing Urban Stormwater: Soils and Construction 4th Edition Landcom, 2004*). Erosion and sediment control (ESC) devices must be designed to prevent sediment from entering the waterway and to prevent sediment plumes from spreading within the waterway. ESC devices must be installed prior to earth works commencing and be maintained in good working order for the duration of the works and subsequently until the site has been stabilised and the risk of erosion and sediment movement from the site is minimal.
5. Material storage and stockpiling should occur well away from the waterway (with the aim of keeping the impacted area to a minimum).
6. A Dewatering Management Plan should include provisions to protect fish during the dewatering process. It should specifically consider any potential off-site impacts as a result of the dewatering operations and contain mitigation controls to effectively treat any discharge waters to prevent offsite pollution of any receiving waters.
7. Dewatering of temporary in-stream structures requires notification to NSW DPI seven days prior to any dewatering activities commencing in order to organise any fish rescue activities. If required, a separate s.37 permit should be obtained from NSW DPI to relocate fish.

8. Temporary waterway crossings should be designed in accordance with Fish Passage Requirements for Waterway Crossings and Policy (2003) and Guidelines for Fish Friendly Waterway Crossings (2003).
9. When conducting works in waterways a floating silt curtain is to be erected in a semi-circular arrangement with ends against the bank so as to contain all suspended sediments within the work area.

#### **Appendix B Surface Water Quality Monitoring Program (Rev B)**

10. It is noted that condition C13 required referral of this document to DPI Fisheries.
11. Section 4 Baseline Data has an error at the end of the second paragraph, it is unclear in which section the site-specific trigger values are further discussed.
12. As NSW EPA are the regulatory authority for water quality, advice should be sought by them to determine the adequacy of the trigger values.
13. It is recommended that where an exceedance is detected in the monitoring that work ceases immediately until the cause of the exceedance is identified and rectified. Monitoring of the exceedance should continue and works only allowed to recommence when a sampling event confirms reading have dropped below the limit.
14. Where an exceedance is confirmed as per the Trigger Action Response, increased monitoring frequency should be determined in consultation with the EPA.
15. Both DPI Fisheries and NSW EPA should be notified in the event of an exceedance.
16. DPI Fisheries (1800 043 536) and the EPA (131 555) is to be notified immediately if any fish kills occur in the vicinity of the works. In such cases, all works other than emergency response procedures are to cease until the issue is rectified and approval is given by DPI Fisheries and/or the EPA for the works to proceed.

If you require any further information, please contact me on [jess.hyland@dpi.nsw.gov.au](mailto:jess.hyland@dpi.nsw.gov.au).

Yours sincerely,



**Jess Hyland**

Fisheries Manager, Coastal Systems

## 4 DPE Water

Note: Applicable to the Surface Water Quality Monitoring Program only.

**From:** [DPIE Water Assessments Mailbox](#)  
**To:** [Mark Chilton](#)  
**Cc:** [DPIE Water Assessments Mailbox](#)  
**Subject:** FW: HPE CM: FW: SMWSA Project - SSTOM Works - Surface Water Quality Monitoring Program Consultation  
**Date:** Friday, 14 April 2023 10:45:59 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[SSTOM\\_SWMP\\_Appendix\\_B\\_SWQMP\\_Rev\\_B.pdf](#)

---

Hi Mark, we do not have any issues to raise. Thanks Liz

**Liz Rogers**  
**Manager Assessments**

Water Group | Department of Planning and Environment  
| **M** 0428 600 421 | **E** [liz.rogers@dpie.nsw.gov.au](mailto:liz.rogers@dpie.nsw.gov.au)  
Prince Street, Locked Bag 21, Orange NSW 2800  
[www.dpie.nsw.gov.au](http://www.dpie.nsw.gov.au)

**Our Vision:** Together, we create thriving environments, communities and economies.

I live and work on Wiradjuri Country



*The Department of Planning and Environment acknowledges that it stands on Aboriginal land.  
We acknowledge the traditional custodians of the land and we show our respect for elders past, present  
and emerging through thoughtful and collaborative approaches to our work, seeking to demonstrate our ongoing  
commitment to providing places in which Aboriginal people are included socially, culturally and economically.*

---

**From:** Liz Rogers <[liz.rogers@dpie.nsw.gov.au](mailto:liz.rogers@dpie.nsw.gov.au)>  
**Sent:** Thursday, 6 April 2023 11:28 AM  
**To:** [Mark.chilton@parklifejv.au](mailto:Mark.chilton@parklifejv.au)  
**Cc:** DPIE Water Assessments Mailbox <[water.assessments@dpie.nsw.gov.au](mailto:water.assessments@dpie.nsw.gov.au)>; Luke Mclver <[luke.mciver@dpie.nsw.gov.au](mailto:luke.mciver@dpie.nsw.gov.au)>  
**Subject:** HPE CM: FW: SMWSA Project - SSTOM Works - Surface Water Quality Monitoring Program Consultation

Hi Mark, thanks for getting in contact with DPE Water.

Also please note that we will not be able to get advice to you within 2 weeks. We will endeavour to respond within 28 days.

I see that you have requested DPI Fisheries to provide comment in your request below. DPI Fisheries is located in a separate agency and we do not coordinate any advice on their behalf.

Thanks,

Liz

**Liz Rogers**  
**Manager Assessments**

Water Group | Department of Planning and Environment

| M 0428 600 421 | E [liz.rogers@dpie.nsw.gov.au](mailto:liz.rogers@dpie.nsw.gov.au)

Prince Street, Locked Bag 21, Orange NSW 2800

[www.dpie.nsw.gov.au](http://www.dpie.nsw.gov.au)

**Our Vision:** Together, we create thriving environments, communities and economies.

I live and work on Wiradjuri Country



*The Department of Planning and Environment acknowledges that it stands on Aboriginal land.*

*We acknowledge the traditional custodians of the land and we show our respect for elders past, present and emerging through thoughtful and collaborative approaches to our work, seeking to demonstrate our ongoing commitment to providing places in which Aboriginal people are included socially, culturally and economically.*

---

**From:** Naila Tabassum <[naila.tabassum@dpie.nsw.gov.au](mailto:naila.tabassum@dpie.nsw.gov.au)> **On Behalf Of** DPIE Water Assessments Mailbox

**Sent:** Thursday, 6 April 2023 10:02 AM

**To:** Liz Rogers <[liz.rogers@dpie.nsw.gov.au](mailto:liz.rogers@dpie.nsw.gov.au)>

**Subject:** FW: SMWSA Project - SSTOM Works - Surface Water Quality Monitoring Program Consultation

FYI

---

**From:** Mark Chilton <[mark.chilton@parklifejv.au](mailto:mark.chilton@parklifejv.au)>

**Sent:** Wednesday, 5 April 2023 1:21 PM

**To:** Luke McIver <[luke.mciver@dpie.nsw.gov.au](mailto:luke.mciver@dpie.nsw.gov.au)>

**Cc:** DPIE Water Assessments Mailbox <[water.assessments@dpie.nsw.gov.au](mailto:water.assessments@dpie.nsw.gov.au)>

**Subject:** SMWSA Project - SSTOM Works - Surface Water Quality Monitoring Program Consultation

Dear Luke

As part of the Sydney Metro Western Sydney Airport (SMWSA) Project, Parklife Metro will be constructing the Stations, Systems, Trains, Operations and Maintenance (SSTOM) package. You're probably aware that the SMWSA Project involves the construction and operation of a new metro line around 23km in length that extends from the existing station at St Marys in the north to a new Aerotropolis Station at Bringelly in the south, but by way of providing background to the SSTOM Project, it includes the construction of the six new metro stations, installation of tracks, signalling and support systems, construction of a stabling and maintenance facility at Orchard Hills, as well as operation and maintenance of the newly constructed metro line.

In accordance with the SMWSA Project's infrastructure approval (SSI-10051), we have prepared a Surface Water Quality Monitoring Program for the construction of the SSTOM Works, and as per Condition C13 of the infrastructure approval, Parklife Metro requests that DPI Fisheries review this document (attached) and if required, provide comment. Any review comments or issues raised will be duly considered by Parklife Metro in the name of open and honest communication and consultation.

You may have previously been contacted by other parties regarding earlier stages of the SMWSA Project, and Parklife Metro appreciates the time and effort in reviewing documents. Therefore, Parklife Metro are more than happy to offer a suitable time to go through any comments or questions regarding the reviewed documents prior to the end of the two week review period, until 23 April 2023. If you have any questions, or would like to set up a time to meet, please contact me via reply email or on 0488 477 686.

Regards,

**Mark Chilton**  
**Environment Manager**  
Mob. +61-0488 477 686  
email: [mark.chilton@parklifejv.au](mailto:mark.chilton@parklifejv.au)  
Parklife Metro JV  
680 George Street, Sydney NSW 2000



Think eco-friendly before printing this message

**Disclaimer:** This email (including any attachments) may contain confidential, proprietary, and privileged information, and unauthorised disclosure or use is prohibited. If you received this email in error, please notify the sender, and delete this email from your system.