



Kooragang Water Pty Ltd
WIC Act licence application
13 April 2022

Attachment 26:
Suez Management Plans

Strategic Asset Management Plan

KIWS Advanced Water Treatment Plant Suez Water

Document #. AM-KIWS-001

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Version 3



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Document Summary

This Strategic Asset Management Plan is a framework document aiming at providing requirements and guidelines for the KIWS AWTP asset management (AM) systems.

Key Words

Review and Document Control

VERSION	CHANGE	ISSUED	REVIEWED	AUTHORISED	DATE ISSUED
0	Initial Version	Z. AIT MANSOUR	-	PS	26-Apr-18
1	List of stakeholders	Megan Boardman	-	Nadeem Akram	06-May-20
2	Simplification, alignment with Suez Water ANZ SAMP AM001	ZoubirAM	DaveC	NadeemA	19Nov20
3	Updated roles & resp	ZoubirAM	DaveC	DaveC	27Jul21

Related Documents

DOCUMENT NAME	REFERENCE NUMBER
Asset Management – Management Systems - Requirements	ISO55001: 2014
KIWS AWTP Group Omega Processes which define the higher level group policies, processes and associated procedures.	OMEGA
Online integrated management system	IMS
Business Practices Manual	BPM-001
Quality Systems – Quality Management Systems - Requirements.	AS/NZS ISO 9001: 2008
Environmental Management Systems – Requirements with Guidance for Use.	AS/NZS ISO 14001:2004
Occupational Health and Safety Management Systems - Specification with Guidance for Use	AS/NZS 4801: 2001
Occupational Health and Safety Management Systems - Requirements	OHSAS 18001:2007

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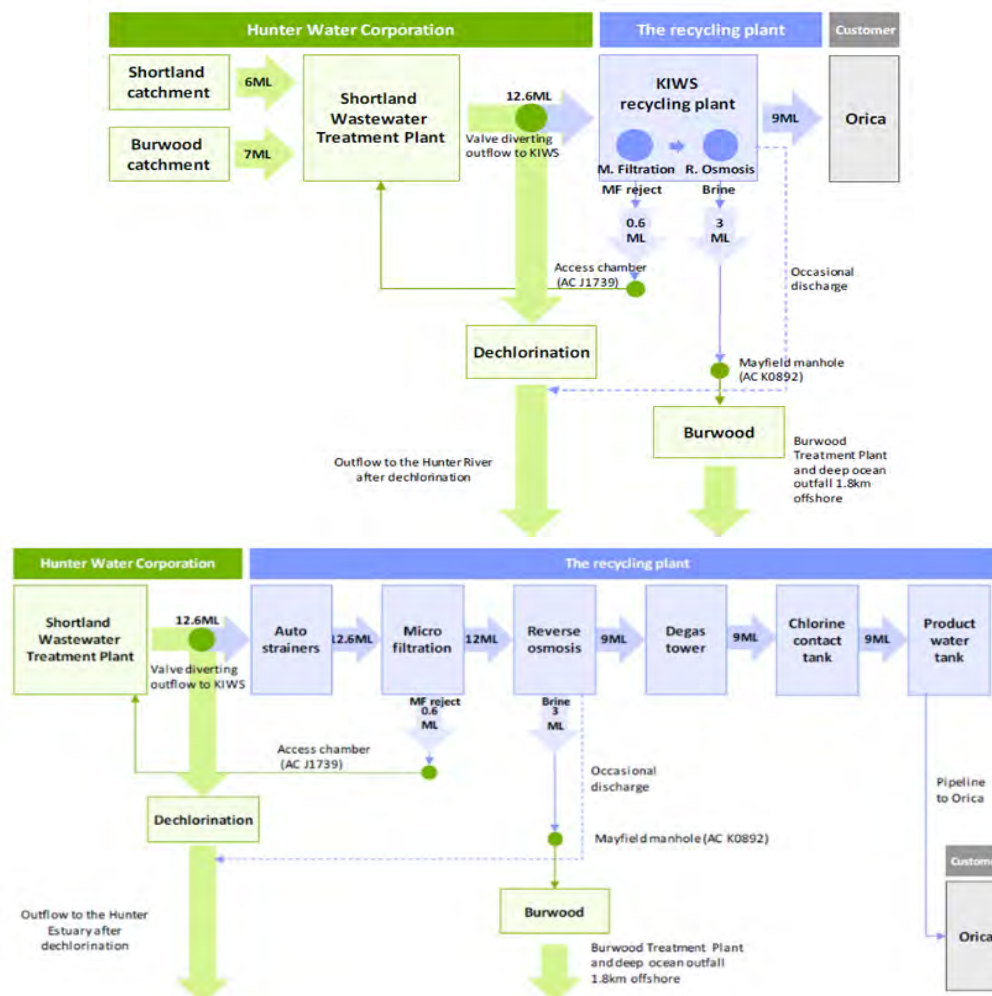
0. ASSET MANAGEMENT SYSTEM REQUIREMENTS

Ref. Suez Water ANZ SAMP AM001

1. CONTEXT

1.1. Organization and its context

Kooragang Industrial Water Scheme recycling plant is a 9.2MLD MF/RO plant, commissioned in Dec14, owned by Water Utilities Australia, to be operated by SUEZ within a 15 years O&M contract occupying 2FTE and started in Nov17.



1.2 List of stakeholders

The following table presents the list of stakeholders relevant to the asset management system.

FUNCTION	NAME	INTERNAL	EXTERNAL
KIWS Asset owner: Water Utilities Australia	Craig Heindenreich		X
Shortland WWTP (Veolia)	Deanne Pope		X
Orica	Grant Rogers		X
EPA	131555		X
IPART	Robert Aposhian		X
Safework	131050		X
Plqnt manager	Dave Colley	X	
Operations support technician	Megan Boardman	X	
Technician	Richard John	X	
O&M General Management	Mark Lautre	X	
Asset management	Zoubir Ait Mansour	X	
Finance	Tammy Valeri	X	
Procurement	Pierre Lopez	X	
QHSE	Nichole Perry	X	
Chief HR Officer	Kim Hall	X	
IT Support (Asset mgt system)	Fabian Chaw	X	
Process	Matt Hutton	X	
Automation & control	Rami Al Nashi	X	

1.2. Internal & external issues

Ref. Suez Water ANZ SAMP AM001.

1.3. Scope of KIWS AWTP Asset Management System

Where applicable: The content of this SAMP is applicable to all maintainable physical assets under the management of Suez as part of the O&M contract.

Asset portfolios: The list of assets under the scope of this asset management system is defined by the list of equipment available in Infor EAM databases:

Boundaries

- The scope of this asset management system does not cover the following elements:
 - Non-physical assets (e.g.: software, etc).
 - Support assets (non-directly process related). This category includes workshops, warehouses, tools, vehicles, laboratory, office furniture.
- The boundaries of network assets, mainly pipework and electrical, are defined by the asset portfolio available in Infor EAM database.
- Other organizations involved: see companies & contracts in IMS.

Periods of responsibility: The period of responsibility is 13 years starting from November 2017.

Interaction with other management systems

The asset management system relies on the following existing management systems:

- Design & Build
- Operation
- Health & Safety, Environment & Quality (includes document mgt system)
- Risk Management
- Procurement
- IT
- Human Resources
- Finance
- Administration

In case of incompatibility between the asset management system and another management system regarding the issues listed above, priority will be given to the concerned management system.

Residual liabilities after the contract handover: There will be no residual liabilities after the end of the O&M contract.

1.4. Asset management system

Ref. Suez Water ANZ SAMP AM001.

2. LEADERSHIP

2.1 KIWS AWTP Organizational objectives

This asset management system is aligned with the Suez Water ANZ Strategy and asset management policy.

2.2 Leadership & commitment

At the plant level, the contract manager is accountable for the asset management system and is committed to:

- Ensuring that the asset management policy, objectives and plans are established and are compatible with the organizational objectives;
- Ensuring the integration of the asset management system requirements into the organization's business processes;
- Ensuring that the resources for the asset management system are available;
- Communicating the importance of effective asset management and of conforming to the asset management system requirements;
- Ensuring that the asset management system achieves its intended outcomes;
- Directing and supporting persons to contribute to the effectiveness of the asset management system;
- Promoting cross-functional collaboration within the organization;
- Promoting continual improvement;
- Supporting other relevant management roles to demonstrate their leadership as it applies to their areas of responsibility;
- Ensuring that the approach used for managing risk in asset management is aligned with the organization's approach for managing risk.

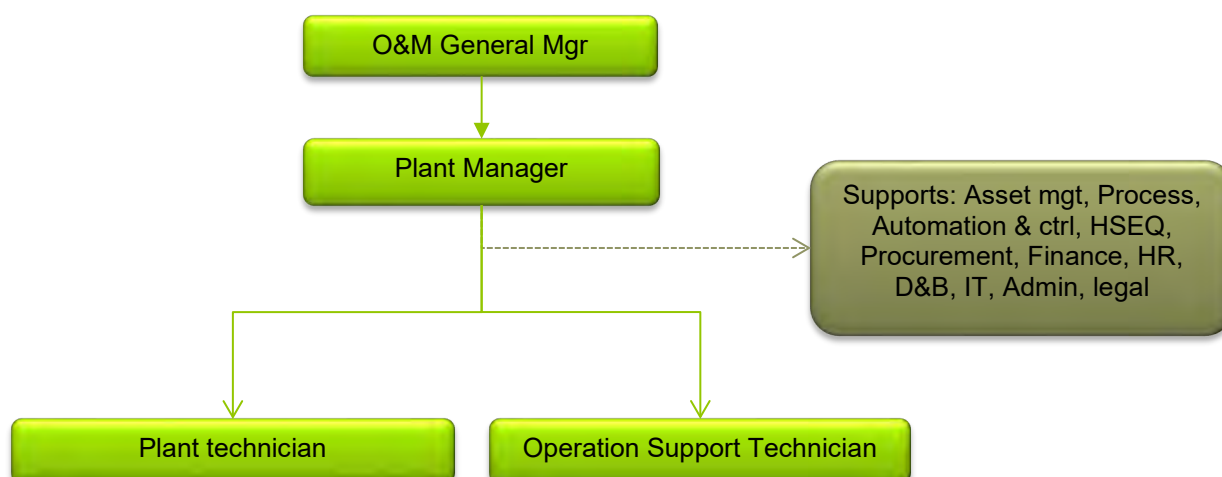
2.3 Asset management policy

The asset management policy is available in IMS/KIWS AWTP/00 Policies - AM-POL-01 – Asset Management Policy.

2.4 Organization roles & responsibilities

Organization chart

KIWS Asset Management system will be implemented by the organization described below.



Responsibilities

KIWS Asset Management roles and responsibilities are detailed in a RACI matrix below.

Asset Management Responsibilities R = Responsible A = Accountable C = Consulted I = Informed	Asset Management Responsibilities									
	Plant Manager	Technician	Operation support technician	Asset Management	Process	Engineering	IT Support	HSEQ	Procurement	O&M GENERAL MGT
Documentation management. Incl. As built & updates – paper, electronic, databases (Infor).	A	I	R					C		
CMMS Administration	I	I	I	R			A R			
Reporting, KPIs & data analysis	AR	C	R	C						I
Incident mgt & root causes analyses	AR	C	C	C						I
Preventative Maintenance planning (incl. regulatory PMs)	AR	C	C	C						
Maintenance works scheduling	AR	C	C							
Work orders management	AR	R	R							
HSE management	AR	R	R					C		
Contracted works management - technical	AR	R	R							
Procurement & Admin Contracted works management	AR	R	R						R	

	Asset Management Responsibilities R = Responsible A = Accountable C = Consulted I = Informed	Plant Manager	Technician	Operation support technician	Asset Management	Process	Engineering	IT Support	HSEQ	Procurement	O&M GENERAL MGT
Works delivery		AR	R	R							
Asset condition assessment		AR	R	R	C						I
Criticality assessment		AR	R	R	C	C					
Renewals planning		AR	C	C	C						C
Project management: renewals & improvement capex. (incl. chang mgt)		AR	R	R	C						I
Budget management		AR		C							A
Spare parts management		AR	R	R	C						
Tools, vehicles management		AR	R	R							
Continuous improvement process management		AR	R	R	C						I
Competence management		AR	C	R							
Design/engineering		AR	C	C		R	R				
Establishing & updating AM policy & SAMP, including AM objectives (ISO55k)		AR	C	C							
Ensuring that the AM system supports delivery of the SAMP (ISO55k)		AR	C	C							
Ensuring that the AM system conforms to the requirements of ISO55001:2014 (ISO55k)		AR	C	C							
Ensuring suitability, adequacy and effectiveness of the asset mgt system (ISO55k)		AR	C	C							
Establishing and improving-updating the asset management plan (ISO55k)		AR	C	C							
Implementation and monitoring of asset management plan (ISO55k)		AR	C	C							
Performance evaluation, including internal audits & management reviews (ISO55k)		AR	C	C							
Reporting on the performance of the asset mgt system to top management (ISO55k)		AR	C	C							

3. PLANNING

3.1. Asset management objectives

Ref. Objectives & Targets in IMS.

Ref. Suez Water ANZ SAMP

3.2. Plan to achieve the objectives

Ref. Objectives & Targets in IMS.

3.3. Plan to address risks and opportunities

20170419-KIWS-ISO55k ACTIONS - 31Jul18

3.4. Asset management decision making

This section details the methods & criteria for asset related decision making, prioritizing activities & resources

Asset management decisions authorities

The table below summarizes the responsibilities associated with the main categories of asset management decisions. This RACI is to be adapted and filled for each contract.

-	ASSET MANAGEMENT DECISIONS OWNERSHIP	Plant Tech	Ops support tech	Plant Manager	O&M General Manager	WTS COO	Asset Manager	Finance
	R → Responsible (Prepares the decision) A → Accountable (Approves the decision = decision owner) C → Consulted (Provides input) I → Informed							
	Capital & renewals project > \$100k	C	C	C	R	A	C	C
	Capital & renewals projects < \$100k	C	C	R	A		I	I
	Capital & renewals projects < \$50k	C	C	AR	I			
	Capital & renewals projects < \$10k	R	R	A				
	Preventive maintenance tasks & frequencies	C	C	AR				
	Corrective maintenance priority	R	R	A				
	Disposal - write off	C	C	AR			I	I
	Outsourcing/insourcing	C	C	AR	C			
	Spares - common items (high turnover)	C	R	AR				
	Spares – critical spares (low turnover)	C	R	AR			C	

3.5. PROCESSES & METHODS FOR MAKING DECISIONS & MANAGING ASSETS OVER THEIR LIFE CYCLE

Ref Suez Water ANZ SAMP AM001 regarding the following processes:

- Asset management decision making principles
- Asset management decision authorities
- Risk Rating & Risk Tolerance
- Renewal and Improvement Projects
- Project management
- Asset Failure Risk Management
- Asset condition assessment
- Preventive maintenance decisions (PM review)
- Regulatory Maintenance
- Works management
- CMMS/EAM - AM Information System (Infor EAM)
- Asset failure root cause analysis
- Spare parts
- Management of obsolete assets
- Asset end of life
- O&M contract start up
- O&M contract asset management handover plan

Note: In KIWS AWTP's context, a renewal corresponds to:

- A like for like replacement of a complete equipment (a TAG number in the asset register)
Or
- A maintenance with and periodicity exceeding 12 months and a procurement cost exceeding \$5k

4. SUPPORT

4.1. Resources

The following table describes the resources required to establish, implement, maintain and continuously improve the asset management system.

Cat	Item	Contract Mgr	Ops Coord	Plant Tech	Ops Support tech	Asset mgt (ext)
Est	ISO55000 presentation	0.5	0.5	0.5	0.5	0.5
Est	Development of SAMP (including policy, objectives, plans, processes & methods to manage assets)	5	5			5
Est	Asset condition planning	1	1			2
Impl	Asset Failure risk assessment	3	3			3
Impl	Asset condition assessment	2	5	5		2
Impl	PM review	3	3	3		3
Impl	Critical spares	1	1	1	1	1
Impl	Int & external audits	5	5	1	5	5
Impl	Objectives and plans to achieve objectives and address risks & ops		Business as usual			
Mtce	Regular review of SAMP & AM objectives	1	1			1
Mtce	3 yearly criticality review (incl. Critical spares)	1	1	1	1	1
Mtce	Asset condition assessment	5		2x5		1
Mtce	Regular PM review	2	2	2	2	1
Mtce	Audits & management reviews	5	5	2	5	5
Mtce	Other: RCA, project evaluation, renewals program, change management		Business as usual			
Mtce	Regular strategic alignment matrix update	0.5	0.5	0.5	0.5	0.5
Mtce	Action plan (address risks & ops, achieve objectives)		Business as usual			
Cont imp	Continuous improvement / control of non-conformances and corrective/preventative actions		Ref. SYS006, BIF - IMS			

4.2. Competence

The competence is managed using the following elements:

- Job descriptions
- Annual development interview process
- IMS – licenses management (EHSQ checklist, includes contractors)
- Training matrix

4.3. Awareness

Awareness is ensured mainly through regular discussions and presentations about asset management, including:

- ISO55000 system
- Asset management policy
- Asset management objectives
- Roles and responsibility

4.4. Communication

The main asset management related communications at KIWS AWTP are listed in the table below:

How	Item	Int/ Ext	Who	When	What
Meeting	Daily catch up	I	KIWS AWTP's Team	Daily	Issues, schedule for the day/week,
Meeting	Fortnightly Ops meeting	I	KIWS AWTP's Team	2 Weekly	Safety and environment, operations review, maintenance, finance, quality assurance, key issues and other business
Meeting	Fortnightly Mtce meeting	I	KIWS AWTP's Team	2 Weekly	Review & scheduling of PMs and corrective works, capex & renewals planning, spare parts.
Meeting	Ops meeting	E	Suez: Ops mgr, Client: Ops mgr	Monthly	Safety and environment, operations report review, maintenance, finance, quality assurance, key issues and other business
Meeting	SHE meeting	I	KIWS AWTP's Team	3 Monthly	Health and Safety, environment and other general issues.
Meeting	PMG meeting	E	Suez: Ops mgr, Ops GM, Client: Ops mgr, Ops GM	3 Monthly	Safety and environment, operations report review, maintenance, finance, quality assurance, key issues and other business
Report	External operations report	E	From: Ops Mgr To: client (Ops mgr), Ops GM	3 Monthly	Performance monitoring; influent & effluent biosolids monitoring Plant performance: flow, configuration & performance Plant maintenance: routine, programmed, unscheduled, breakdown maintenance, capex) Finance HSE
Emails & phone	Notifications	E	From: Plant Mgr	As required	Process issues and incidents.

How	Item	Int/ Ext	Who	When	What
Meeting			To: client (Ops mgr)		
	Asset management council	E	Suez Aus/NZ asset managers	6 monthly	Asset management roadmap, sharing best practices, improvement projects feedback etc...

4.5. Information requirement

Ref Suez Water ANZ SAMP AM001

4.6. Documented information

Documented information is managed as per F&A-001 procedure available in IMS.

5. CHANGE MANAGEMENT

Ref Suez Water ANZ SAMP AM001

6. OUTSOURCING

The main outsourced activities at KIWS AWTP's are listed below:

- PLC support
- Thermography
- Lifting
- AC
- Pumps maintenance
- Calibrations (contractual & regulatory: inlet flow, laboratory equipment, gas detectors)
- Third party regulatory inspections (lifting, fire, backflow, first aid)
- Waste transportation and disposal/reuse
- Nata lab compliance testing

Additional activities might be outsourced depending on the operational requirements.

The main processes used to control outsourced activities are:

- Procurement process: scope of works, quotations, purchase orders, service agreements, contractor evaluation
- Induction
- Job safety analysis / Safe Work Method Statements
- Work permits (including: work clearance certificates, isolation, hot works, height, confined space)
- IMS licenses management system (HSEQ checklist)

7. PERFORMANCE EVALUATION

KIWS AWTP asset management performance evaluation is conducted through:

- Infor EAM monthly reports,
- 3 monthly contractual reports,
- Internal audits
- management reviews.
- External audits

Ref Suez Water ANZ SAMP AM001

8. IMPROVEMENT

Ref Suez Water ANZ SAMP AM001

APPENDIX

Strategic alignment matrix

The attached table demonstrates the alignment of KIWS asset management objectives with the stakeholders needs and expectations, and the Suez strategy and policy.



Strategic Alignment
KIWS Nov20.docx

KOORAGANG INDUSTRIAL WATER SCHEME (KIWS)

Incident Management Plan (IMP)

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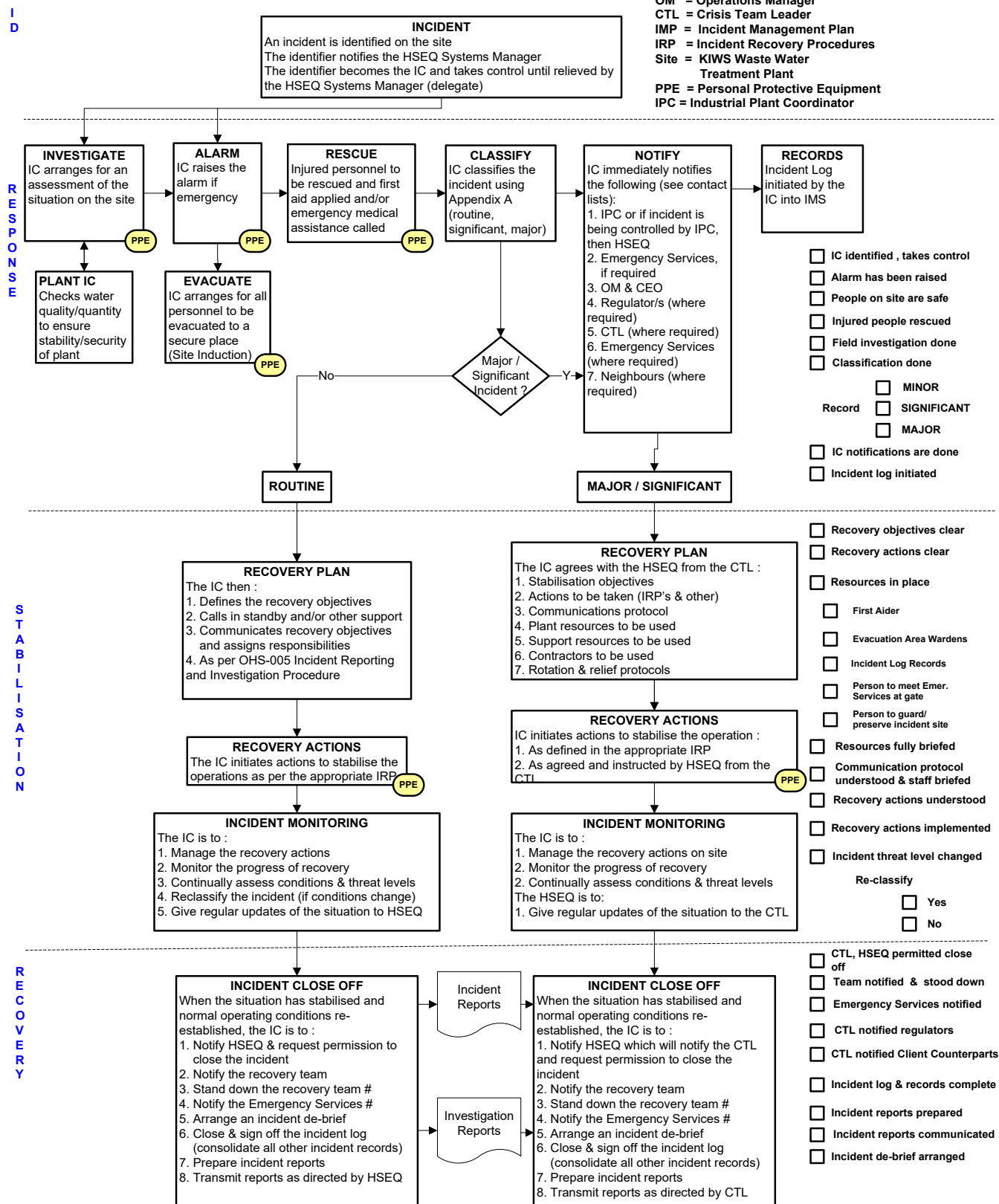
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INCIDENT MANAGEMENT PROCEDURE

ER-KIWS-IMP-100

IC = Incident Coordinator
HSEQ = HSEQ Systems Manager
OM = Operations Manager
CTL = Crisis Team Leader
IMP = Incident Management Plan
IRP = Incident Recovery Procedures
Site = KIWS Waste Water Treatment Plant
PPE = Personal Protective Equipment
IPC = Industrial Plant Coordinator



1. PURPOSE

This procedure describes the actions to be taken by any SUEZ staff in response to any incident at the Kooragang Industrial Water Scheme

2. SCOPE

This procedure applies to all incidents at the plant and/or piping networks and covers the classification of the incident, reporting, recording, notification of authorities and the responsibilities of staff.

3. REFERENCES

SUEZ Crisis Management Plan

KIWS Incident Recovery Procedures

Procedure OHS-005 Injury Reporting (Safety Manual)

4. CONTEXT OF NWWTP INCIDENT MANAGEMENT PLAN

4.1. SUEZ EMERGENCY RESPONSE MANUAL

EMERGENCY RESPONSE MANUAL (ERM)	
The ERM is the name given to the manual that contains all the plans and procedures used by head office and the operations in responding to incidents and emergency situations.	
SUEZ CRISIS MANAGEMENT PLAN (CMP)	
<ul style="list-style-type: none"> The CMP describes the procedures for responding to and managing significant or major incidents at a plant or the head office. CMP includes the SUEZ Alert Procedures. <p>The CMP includes a toolbox of guideline documents for general use.</p>	
PROSPECT WFP INCIDENT MANAGEMENT PLAN (IMP)	
NOOSA WWTP INCIDENT MANAGEMENT PLAN (IMP)	
PERTH SDP INCIDENT MANAGEMENT PLAN (IMP)	
KIWS INCIDENT MANAGEMENT PLAN (IMP)	
SUEZ CONSTRUCTION SITES	
<ul style="list-style-type: none"> The IMP's describe the plan and procedures for responding to and managing routine and significant incidents at the plants The IMP's contain all the Incident Recovery Procedures (IRP's) that define how the operation will be stabilised and recovered to normal under various incident scenarios. 	

4.2 DEFINITIONS

4.1.1 Incident

Any unplanned event that results in, or has the potential to cause an injury, ill health, damage to the environment, damage to property, or adversely affect SUEZ'S ability to deliver on its contractual obligations.

4.2.1 Incident Coordinator (IC)

Is the person with executive responsibility for the incident at the site. The Incident Coordinator is the Shift Technician who shall take direction from the Industrial Plant Coordinator (or his delegate) until relieved by same.

5. ACTIONS

5.1. INITIATION OF INCIDENT MANAGEMENT

General Procedure - Refer to Process Map ER-KIWS-IMP-100. Incident Classification Schedule – Refer to Appendix A.

Contacts List – Refer to Appendix C.

5.2. INITIATION OF RECOVERY ACTIONS

General Procedure - Refer to Process Map ER-KIWS-IMP-100.

Incident Recovery Procedures – Refer to Appendix B.

5.3. INCIDENT MONITORING

General Procedure - Refer to Process Map ER-KIWS-IMP-100.

Incident Recovery Procedures – Refer to Appendix B.

5.4. INCIDENT CLOSE-OFF

General Procedure - Refer to Process Map ER-KIWS-IMP-100.

Incident Recovery Procedures – Refer to Appendix B.

6. DANGEROUS GOODS

6.1. DETAILS OF DANGEROUS GOODS

The Mayfield West Advanced Water Treatment Plant contains dangerous goods (refer to the Safety Data Sheets (SDS's) for the Laboratory and Bulk Chemicals).

6.2. WATER TREATMENT PLANT

The following is a list of all hazardous bulk chemicals stored at the plant. These chemicals are classified as Hazardous according to the criteria of NOHSC.

Chemical	Maximum Quantity	DG Group	Hazchem Code
Sodium Hydroxide (Caustic Soda)	14,000L	8 Corrosive	2R
WTS 9-ED40	4,000L	Category 2	-
Citric acid 50% solution	4,000L	Category 1	-
Sodium Bisulfite	14,000L	8 Corrosive	2x
Sodium Hypochlorite	30,000L	8 Corrosive	2X
Sulphuric acid	16,000L	8 Corrosive	2P
Ammonia Aqueous	6,000L	8 Corrosive	2R

6.3. DELINEATION OF RESPONSIBILITIES BETWEEN SUEZ AND ITS SUPPLIERS

Incidents occurring during the transportation and delivery of chemicals or laboratory reagents are the responsibilities of the transporters who shall:

- Hold all licences and permits required by law,
- Have appropriate procedures for the transport, handling, delivery, containment, cleaning and waste removal of the chemicals they transport,
- Ensure their trucks are fit for use and maintained in good condition,
- Ensure their trucks are fitted with cleaning and waste removal equipment appropriate for the chemicals being carried and delivered,
- Ensure their drivers are properly trained in the transportation, delivery, handling, containment, cleaning and waste removal of the chemicals they transport,
- Make appropriate information and protective equipment available and ensure their drivers are trained on its use.

The Industrial Plant Coordinator shall ensure that as part of the agreements with the suppliers' transportation companies, these responsibilities are clear and documented. The Industrial Plant Coordinator shall have the right to request transportation companies to provide documented evidence that the above conditions are complied with and to request the removal of any truck driver using inappropriate practices.

7. RESPONSIBILITIES OF PLANT STAFF

The following defines the specific responsibilities for internal and external personnel during an incident

7.1. SUEZ PERSONNEL

SUEZ Plant Technician

The Technician discovering or first reporting the Incident is to assume the role of Incident Co-ordinator until relieved.

Incident Co-ordinator (IC)

The I.C. is responsible for deciding on and directing the appropriate actions to be taken during an Incident, and co-ordinating the liaisons between SUEZ and Emergency Authorities.

The personnel with the authority to be the I.C. are:

- the Industrial Plant Coordinator
- the Plant Technician.

The I.C. is responsible for the overall co-ordination of the Incident at site level. The specific responsibilities for this position are as follows:

- assess the severity of the Incident;
- ensure all staff are safe and accounted for;
- contain or minimise the damage;
- nominate a person from staff to carry out first aid or evacuation if necessary;
- direct the emergency authorities to the site of the Incident;
- inform emergency authorities of the situation and measures taken to control it until their arrival on site; and
- co-ordinate the security of the site nominating a person from staff to stop any unauthorised people entering the site during an Incident.

7.2 EXTERNAL EMERGENCY AUTHORITIES

Senior Fire Brigade Officer (on site)

Responsible for:

- firefighting;
- spillage control;
- containment of the Incident;
- ensuring the safety of personnel on site and rescue personnel if required; and
- when the Incident has been finalised, co-ordinate the cleaning of the area.

Police Forward Commander

Responsible for the following:

- control of traffic, ground activities and the perimeter;
- evacuation of any neighbours;
- registration and/or identification of any victims;
- security of the property;
- support to the fire brigade; and
- any co-ordination that may be required.

Environmental Protection Authority (EPA)

To be contacted for reportable environmental incidents

Ambulance Commander

Responsible for the treating of any Incident victims and the transportation of these victims to hospitals and emergency wards.

8. EMERGENCY RESOURCES

8.1. SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

SHE Information	Location
On-line Management System (Integrum) – SUEZ employee access only	Control Room All SUEZ PC's
Incident Management Plan	Administration building in reception – <i>hard copy</i> Control room – <i>hard copy</i> IMS – <i>electronic</i>
SDS - Bulk Chemicals	IMS – <i>electronic</i> MSDS Online – <i>electronic</i> Industrial Coordinators Office – <i>hard copy</i> Storage Location SDS Stations – <i>hard copy</i>
SDS - Laboratory	MSDS Online – <i>electronic</i> Industrial Coordinators Office – <i>hard copy</i>
SDS – General Plant	MSDS Online – <i>electronic</i> Industrial Coordinators Office – <i>hard copy</i>
Dangerous Goods Register	MSDS Online – <i>electronic</i> Industrial Coordinators Office – <i>hard copy</i> (SDS folder) Hazchem – <i>hard copy</i>

8.2. EMERGENCY EQUIPMENT

Equipment to support the functions of managing an emergency is detailed in the table below.

Equipment	Details & Location
Chemical Spill Kits	<ul style="list-style-type: none"> Between Microfiltration Plant and Reverse Osmosis Plant CCT Pump Station Bulk Chemical Storage Area
Oil and Gas Spill Kit	<ul style="list-style-type: none"> CCT Pump Station
Fire Extinguishing Equipment	<p>The Hydrant is keyed on the KIWS Site Layout Plan in the Emergency Information Container.</p> <p>Fire extinguishers are located throughout the site – Dry Powder & CO₂ types. (Indicated on the Evacuation sign and diagram)</p>
First aid equipment/kits	<p>The main First Aid Station is in the Administration Building (Laboratory). Additional kits are located:</p> <ul style="list-style-type: none"> Site vehicle AED and First Aid kit in the Laboratory Main Switch room Control room
PPE	<p>Administration Building:</p> <ul style="list-style-type: none"> Hard Hats & Safety Glasses Personal PPE lockers for Plant Technicians – overalls, boots etc. <p>Laundry:</p> <ul style="list-style-type: none"> Gloves, safety glasses, respirators & respiratory canisters in PPE cabinet Height safety equipment in the PPE cabinet

	Workshop <ul style="list-style-type: none"> Height safety equipment stored in the PPE cabinet (2 harnesses, tripod and recovery ropes) Switch room: <ul style="list-style-type: none"> Rescue equipment (bag) located on the wall on the right as you walk into the room
Personal Gas monitors	Gas Detector stored in the laundry
Portable evacuation siren	Evacuation siren located in the administration building on top of the fire detection system

9. MANAGEMENT OF THE PLAN

9.1. ELECTRONIC MANAGEMENT SYSTEM – OVERVIEW

SUEZ uses a documented and integrated online management system (Integrum) which complies with the requirements of ISO9001, ISO14001, AS/NZS4801, OHSAS 18001, legislative requirements in the various states of operation and the SUEZ Group's Processes. The system comprises of:

<i>SUEZ Policies</i>	Define the higher-level Safety, Quality and Environmental policies
<i>Business Practices</i>	Describe the activities performed to meet the requirements of the management standards (overview in BPM-001 Business Practices Manual)
<i>SUEZ Procedures and Forms</i>	Describe how activities are performed and what records are maintained
<i>Site Specific Procedures and Forms</i>	Describe the activities specific to each plant and what records are maintained; e.g. operations and maintenance procedures,

9.2. AUDITING

The procedure SYS-005 Auditing describes how SUEZ manages internal auditing. An audit schedule is determined each year considering the requirements in SYS-005, which includes the scheduling of simulations every year. The management of corrective actions/improvements arising from audits is described in SYS-006 BIF (Control of Nonconformance and Corrective/preventative Action).

9.3. TRAINING & COMPETENCY

The KIWS Competency Matrix lists the training and review period required to maintain competency to perform plant and emergency functions. The matrix is used as the basis to populate and record the process in Integrum.

Training and competency recorded is used to generate authorisations to perform activities/roles on OHS-004A Authorisation Register.

9.4. INCIDENT REPORTING & INVESTIGATION

A BIF (Business Improvement Form) is raised when an incident or near miss occurs. The procedure SYS-006 BIF (Control of Nonconformance and Corrective/preventative Action) describes the BIF process. The management of BIF's involving safety, environment or quality hazards is described in SYS-008 Management of Quality, Safety and Environmental Hazards.

Incident investigation and reporting requirements are described in OHS-005 Incident Reporting and Investigation.

9.5. DOCUMENT CONTROL

All procedures relating to the SUEZ Management System are controlled electronically. The location of hard copies of procedures and the review frequencies of documents is recorded and managed on Integrum.

The Incident Management Plan is kept current and updated if there are any changes and recommendations based on:

- Training
- Drills and audits
- Incidents and near misses
- Pollution incidents (required within one month of occurrence)
- Reviews
- Plant or process modifications (described in AM-006 Process or Plant Modification)
- Changes in personnel

10. APPENDICES

APPENDIX A: INCIDENT CLASSIFICATION SCHEDULE

INCIDENT ASSESSMENT VARIABLES		MINOR INCIDENT	SIGNIFICANT INCIDENT	MAJOR INCIDENT
1.	<i>Extent of Incident</i>	Impact on people, property or environment expected to be confined to specific location onsite and no escalation is expected.	Impact on people, property or environment expected to spread to other parts of site but not offsite – Emergency Services may be required.	Impact on people, property or environment expected to impact on and off site – Emergency Services required.
2.	<i>Health and safety</i>	First Aid Injury or Minor Near Miss (potential for FAI).	MTI, LTI or Significant Near Miss (potential for MTI or LTI).	Fatality or Major Near Miss (potential for death).
3.	<i>Threat to the environment eg chemical release or pollution event</i>	No immediate impact or potential impact on the environment.	Localised event with potential to impact or cause degradation of environment.	Potential to impact or cause a serious offsite environmental breach. Notification to regulator.
4.	<i>Damage to Structures, including roadways, foundations and formwork</i>	Minor damage to structures.	Collapse of partial collapse of a structure.	Collapse of partial collapse of a structure that requires notification to the regulator.
5.	<i>Damage to Plant, including lifting devices (eg .forklift, crane, gantry), scaffolding, mobile plant, explosive power tools.</i>	Minor damage to plant.	The collapse, overturn or malfunction of any plant.	The collapse, overturn or malfunction of any plant that requires notification to the regulators.
6.	<i>Impact on plant operations or service delivery.</i>	No immediate impact on operations or quality or quantity of supply.	Potential to impact performance of operations or minor impact on quality or quantity of service.	Impacts other areas of operation or potential to or causes a serious breach of contractual responsibilities.
7.	<i>Threat to public health.</i>	No immediate threat to public health.	Potential to pose a public health threat injury with medical treatment.	Poses or affects public health. Serious or fatal injury sustained.
8.	<i>Outside attention raised to event.</i>	No attention raised.	Attracts media attention.	Raises adverse media attention.
9.	<i>Customer complaints.</i>	Customer complaint registered.	Serious customer complaint.	Multiple serious customer complaints.
10.	<i>Resources needed to manage or recover situation.</i>	Plant staff only.	May require additional resources from outside the plant team.	Requires off site coordination and significant levels of resources support.
11.	<i>Involvement of external authorities and regulators.</i>	No involvement of external authorities.	Potential notification of external authorities.	Notification of external / regulatory authorities is required.
12.	<i>Threat of litigation.</i>	No threat.	No threat.	Potential threat or initiation.
13.	<i>Political sensitivity to the event.</i>	No political sensitivity.	Potential political sensitivity.	Politically sensitive or political involvement.
14.	<i>Financial Impact.</i>	No immediate impact.	Potential of actual minor impact.	Potential or actual impact. Threat to financial viability

Classification Procedure:

Step 1 : Tick the box that best describes each of the Incident Assessment Variables in the above table.

Step 2 : Classify the Incident to the highest category (i.e. the category where at least **one** box has been ticked).

APPENDIX B: INCIDENT RECOVERY PROCEDURES

<u>Reference</u>	<u>Title</u>
ER-KIWS-IMP-001	Evacuation
ER-KIWS-IMP-002	Containment of Chemical Spills
ER-KIWS-IMP-003	Snake Bite
ER-KIWS-IMP-004	Break and Enter / Theft Incidents
ER-KIWS-IMP-005	Bomb Threat & Explosive Devices
ER-KIWS-IMP-006	Extended Power Failure
ER-KIWS-IMP-007	Fire Control
ER-KIWS-IMP-008	Scada Computer Failure
ER-KIWS-IMP-009	Severe Thunderstorms
ER-KIWS-IMP-010	Recycled Water Quality Incident Response

APPENDIX C: CONTACTS LIST

<u>EMERGENCY SERVICES</u>	
Nearest Doctor:	Mayfield Medical Centre 278 Maitland Road Mayfield P) 02 4967 4446
Fire Brigade:	Emergency 000 General Enquiries: P) 02 4967 7550
Police:	Emergency 000 Waratah Police Station P) 02 4926 0999
Ambulance:	Emergency 000
Poison Information:	P) 131 126
<u>PLANT ISSUES</u>	
Large Chemical Spills Emergency services	P) 02 4904 5200
Process Automation & Control:	P) 02 4956 6122
KSB (Pump repairs): 24-hour emergency service hotline:	P) 02 4956 5377 1300 301 356
Total generators: (Generator hire)	P) 02 4983 2283
Coats hire: (Generator hire)	P) 02 4033 6070
<u>REGULATORS</u>	
EPA:	P) 131 555
SafeWork NSW	P) 131 050
<u>SECURITY</u>	
ADT:	131 005

<u>KIWS PLANT</u>
Control Room: Phone: Not available until operational control
Industrial Plant Coordinator- <i>Dave Colley</i> Mobile: 0400 314 577
Plant Technician- <i>Richard John</i> Mobile: 0412 717 387
Operation Support Manager- <i>Peter Segura</i> Telephone: 02 8759 7959 Mobile: 0456 931 065
<u>SUEZ STAFF</u>
General Manager Water Operations - <i>Mark Lautre</i> Mobile: 0408 402 256
CEO – <i>David Lamy</i>
HSEQ Systems Manager- <i>Peta Rogers</i> Mobile: 0408 141 188

Business Continuity Plan

Kooragang Industrial Water Scheme (KIWS)

Document #. BCP-PLN-002

Issue date: 04 Dec 19

Version 2



Title:

Document Control Checklist – Business Continuity Document Holders:

Name	Title	Site / Location
Nadeem Akram	O& M Manager	KIWS/Newcastle
Dave Colley	Industrial Plant Coordinator	KIWS/Newcastle
Megan Boardman	Administrative Officer	KIWS/Newcastle

Review and Document Control

VERSION	CHANGE	REVIEWED	AUTHORISED	DATE ISSUED
1	Initial Issue		O&M Manager	16/10/2019
2	Inclusion of FTEs and Timing	National Compliance Officer EQS	O&M Manager	04/12/2019

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1.0 Introduction

This Business Continuity Plan forms part of the SUEZ Business Continuity Program. It aims to minimise the impact upon SUEZ critical business activities in the event of a disruption. It covers the key areas of consideration in maintaining our critical business activities, albeit in a reduced capacity, while minimising the risks to workers, company assets and business reputation. The documentation of all the contingencies, interdependencies and resources (Human, equipment or material) allows for their timely deployment and the maintenance of Critical functions therefore impacting upon critical objectives of the business.

The purpose of this Business Continuity Plan (BCP) at KIWS is to support the overall mission of Delivering Class A Water to our customers and to provide the information to help maintain continuity of services in the wake of an event that poses an unacceptable risk of disruption to business operations of KIWS

This plan is a guideline for conducting continued operations with the understanding that it is part of a process of stabilisation that complement other emergency plans.

The Business Continuity Planning Committee members are listed below in **paragraph 2.0**.

The committee members are responsible for the following activities:

- Providing direction for the BCP, its management, updates, and reviews
- Ensuring that the BCP is consistent with other plans, policies, and procedures at the water utility including vulnerability assessments, risk assessments, and other documents and reports that support the mission of the water utility
- Participating in reviews
- Communicating BCP information to other staff and participating in training events as trainers, as appropriate
- Encouraging employee participation in business continuity planning, as appropriate

Plan Activation

Activation of this plan and all supporting strategies will be managed by the Unit or Plant BCP Team. In the event the Business Continuity Planning Coordinator and the BCP Committee deem an incident likely to jeopardize or disrupt business continuity at KIWS, this BCP shall be activated. For some incidents, the Business Continuity Planning Coordinator may need to consult with the General Manager- Operations or the BCM Coordinator (Corporate) before activating the BCP.

- BCP triggering events may include the following:
- Loss of critical facility
- Loss of critical system or process
- Loss of critical equipment
- Loss of critical material or supplies
- Unavailability of personnel
- Power Outage

Plan Deactivation

The Business Continuity Planning Coordinator and management determine when to deactivate the BCP after it has been activated. This decision is made based on the assessment that business continuity is acceptably recovered.

2.0 SUEZ Design & Build BCP Team/Personnel:

Position:	Name:	Phone:	Department:
O&M Manager	Nadeem Akram	0437 316 160	KIWS Operations & Maintenance
Plant Technician Supervisor	Dave Colley	0400 314 577	KIWS Operations & Maintenance
Plant Technician	Richard John	0412 717 387	KIWS Operations & Maintenance

3.0 Mission Essential Functions (MEFs)

Mission Essential Functions are a limited set of functions that we need to continue throughout or resumed rapidly following a disruption of normal operations in order to ensure our critical objective is maintained even though we are operating in an altered mode. The following in the table below are Mission Essential Functions or the Mission Essential Function that has been identified through a comprehensive Business Impact Analysis of all our Critical functions and operations.

Mission Essential Function	Business Area/ Operations Aspect	RTO (Recovery Time Objective)
Industrial Control Systems	SCADA and PLCs regulating Inlet Water Reception, Treatment and Dispatch	8hrs <i>(This estimate was arrived at by calculating the storage reserve that we have and the timing and the notice we would have to give to the customer which is Orica for it to change its supplier if we do not come through)</i>

****The RTO is the maximum timeframe before the interruption or disruption of an MEF causes significant impact to KIWS and its mission. Resources should be allocated in a manner that will return each MEF to normal function within the RTO.**

4.0 Recovery Strategies per MEF

Recovery Strategy: Industrial Control Systems		FTE Required: 2
Timing	Task Description: Break down the Recovery Strategy into action points and list the action points Action Points	Full Contact Details
30mins	Initial Assessment by Plant Technician and Try to Reboot the Systems	Dave Colley Lead Technician KIWS 0400 314 577
30mins	Call Specialist SAFEgroup	Daniel Biltris Control Systems Engineer 0499 339 940 24hr line 1300 742 247
As required	Call Customer Orica or Notify Orica depending on the storage levels. *Must call at 4hr mark	David Hayes 0437 829 187 24hr Ammonia Plant Control Room 02 49089329
6hrs	Escalate to Head Office; Call General Manager - Operations East	Mark Lautre General Manager - Operations East Level 4, 3 Rider Blvd, Rhodes 0408 402 256
8hrs	Resume Operations after Specialist SAFEgroup have restored the Online Monitoring Functionality	

5.0 Recovery Strategy Team

Business Process	Recovery Team	Team Leader Name	Team Leader Alternate	Recovery Members
Please enter the name of the business process	The name of team responsible for recovery strategy. For example: BCP Committee, IT Disaster Recovery Team	Please list the name of the Team Leader	Please list the name of Team Leader Alternate (this is the person that will take over if the Team Leader is absent).	Please list all team members who will be helping with recovery efforts.
Industrial Control Systems	SUEZ Technical Support Team	Rami Al-Nashi ICS Coordinator 0427 453 953		Plant Technical Crew Dave Colley Richard John
Industrial Control Systems	SAFEgroup Contractor: SCADA Systems Recovery & Maintenance	Daniel Biltris Control Systems Engineer 0499 339 940	On call Systems Engineer 24hr line 1300 742 247	SAFEgroup Control System Engineers

6.0 Critical Resource Recovery Strategy

Critical Resource Name	Description	Owner	Type	Vendor
Please list the Critical Resource name.	Please describe what the application does.	Please list who provides the maintenance support for this application in SUEZ Water?	Please list the application type. For example, a 3rd party hosted application, mainframe application, desktop application, etc.	Please list the application vendor name.
SCADA (Supervisory Control and Data Acquisition Systems)	Online Monitoring and remote control of PLCs	<p>SUEZ Technical Team Rami Al-Nashi ICS Coordinator</p> <p>SAFEgroup (Full details to be supplied) Daniel Biltris Control Systems Engineer 0499 339 940</p>	Mainframe Application	Schneider

7.0 Application Outage Work Around

Outage Work around		
#	Please describe Step by Step what you would do if this application were to experience an outage. How would you continue business?	✓
1	Electronic Monitoring is critical to the continuation of operations of KIWS and its ability and capacity to supply Class A drinking water. Operations is practically impossible with outage of the online monitoring systems without incurring unacceptable risks	
2	A Shutdown mode is conducive to restoration of the online monitoring function, and by extension operations. A manual workaround is considered an unacceptable risk in the delivery of quality Class A water with respect to contractual obligations	
3	Therefore, there is no manual work around; however, depending on the storage volumes, KIWS can continue to deliver on its critical objective whilst the recovery process is ongoing. The RTO is directly proportional to the storage volume.	

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8.0 Communication Plan

Use the following communication schedules to notify stakeholders of activation of BCP and provide instructions for recovery of critical operations

(i) Key Plant or Location Contacts

Name	Job Title	Function	Contact
Nadeem Akram	O&M Manager	Oversight of Operations and Maintenance at the site	0437 316 160
Dave Colley	Industrial Plant Coordinator	Lead Plant Technician	0400 314 577
Richard John	Plant Technician	Plant Technician	0412 717 387
Megan Boardman	Office Coordinator	Administrator	0450 061 644

(ii) Key Internal Contacts:

Name	Job Title	Function	Mobile Phone
Mark Lautre	Manager Operations-East	Operations, Executive Management	0408 402 256
Jed Duke-Yonge	Procurement Category Manager-Water	Procurement and Supplier Liaisons	0447 041 196
Rami Al-Nashi	ICS Coordinator	Automation Coordination and Technical Support for Industrial Control Systems	0427 453 953
Veronique Bonnelye	Process Expert	Process and Technical Operational Solutions	0448 876 518 0427 453 953
		Corporate Affairs Contact	
Mike Kristicevic	Senior Legal Counsel	Rhodes Extension 7902	0403 958 444
Zoubir Ait Mansour	Asset Manager -Water	Zoubir.ait.mansour@suez.com	0407 078 220

**** Corporate Affairs Contacts: Provide liaison with partners with attention to contractual notification obligations, license notification obligations and mandatory self-reporting or notifications are under the purview of this contract

Section Header



(iii) Key External Dependencies:

Name	Job Title	Function	Work Phone
Emergency Services	Refer to Appendix A	Fire Brigade, Police, Ambulance	000
Hunter Water	To be provided	Water Reception Water Reception (Provision of Inflow or Inlet Water to the Treatment plant)	Hunter Water dispatch- 24hr call centre 02 4979 9899
Orica	David Hayes – Maintenance Superintendent	Supply Contract, Notification during Disruption	0437 829 187 24hr Ammonia Plant Control Room 02 49089329
SAFEgroup	Daniel Biltris – Control Systems Engineer	Online Monitoring, SCADA Support, PLC /RTU Maintenance	0499 339 940 24hr line 1300 742 247
HACH	Jason Proser- Field Service Technician-	Online Monitoring	0405 308 730, Hach Technical Support 1300 887 735
ALS	Neil Martin -Chemical Team Leader	Quality Verification and Validation	02 40142532

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(iv) Critical Suppliers / Vendors Contacts and details

Name	Vendor/ Supplier Name	Service Provided	Address/ Phone Number	Alternative Supplier or Vendor	Alternative Supplier Contact
Process	Vendor / Supplier Name	Please describe what service they provide	Details	What other suppliers can we turn to in times of disruption whose choice will reduce deliver times?	Contact details
Online Monitoring	SAFEgroup	Provision of Support and maintenance of the SCADA, PLC and RTU systems	Daniel Biltris Control Systems Engineer SAFEgroup 0499 339 940 24hr line 1300742247	Coengineering On Call Engineer 0427 922 061	Wesley Hess 040-503-0412
Treatment	IXOM	Chemical Supplies for Treatment	Jarryd Millard Key Account Manager 0402 395 956 Customer Service 1300 550 043	REDOX Trudy Kelly trudy.kelly@redox.com Omega Chris Turner cturner@omegachem.com.au	02 97333000 0412 902 605 03 83688000 0432 685 187

9.0 Collaborative Networks details

Name of Collaborative Network in your area	Specific Expertise Provided	Business Process or Business Area this network impacts	Contact Details
SES	Disaster related emergency and rescue services	-	SES-132 500

10.0 Related Policies of Legislation

- AS/NZS 5050:2010 Business Continuity – Managing disruption-related risk
- Handbook HB211:2004 Business Continuity Management
- AS/NZS 31000:2009 Risk Management
- SUEZ's Enterprise Risk Management (ERP) Policy (COR007)
- ER-KIWS-IMP.008 SCADA Computer Failure
- Information Technology (IT) recovery (BCP IT Consideration)

APPENDIX 1 – Background Information and Rationale

The SUEZ Business Continuity Program:

Overview

The objective of Business Continuity Management is to minimize loss or damage following a major disruption to SUEZ services by restoring critical SUEZ functions within agreed timeframes. This Business Continuity Program will ensure that SUEZ prepares for and responds to a business disruption that could have potentially negative impacts on its critical objectives. It facilitates the resumption of processes and resources to ensure the continued achievement of critical objectives.

The Business Continuity Plans (BCPs) have been developed by SUEZ as a key component of the organisation's Business Continuity Program.

BCP documentation will enable specific sites to continue to maintain and ensure the delivery of our critical objectives until the disruption or adverse event is resolved or the risk appropriately mitigated. The BCP covers the key areas of consideration in maintaining business activities, albeit in a reduced capacity, while minimising the risks to workers, company assets and business reputation

Risk Consequences

By definition, a Business Interruption Event is one that has the potential to severely disrupt, delay or terminate the business operations of SUEZ. It may potentially threaten the financial and operational viability of SUEZ and place staff, customers and other persons in a position of danger from an occupational health and safety perspective.

The identification and management of such high impact risk events are therefore of critical importance in maintaining business operations.

The risk controls implemented as part of SUEZ's Business Continuity Management program apply to current and continuing business, financial and service operations.

Enterprise Risk Management

The Business Continuity Program has been developed with reference to and the SUEZ EPR Framework. Reference has been made to the SUEZ EQS Risk Management Procedure (PROC006) in those instances that involve either safety or environmental risk

APPENDIX 1 – Emergency Services Information

<p>Emergency Services</p> <p>Nearest Doctor: Mayfield Medical Centre 278 Maitland Road Mayfield P) 02 4967 4446</p> <p>Fire Brigade: Emergency 000 General Enquiries: P) 02 4967 7550</p> <p>Waratah Police: P) 02 4926 0999</p> <p>Police: Emergency 000</p> <p>Ambulance: Emergency 000</p> <p>POISON INFORMATION: P) 131 126</p>	<p>KIWS Plant</p> <p>Control Room: Phone: (02) 40416801</p> <p>Industrial Plant Coordinator- Dave Colley Mobile: 0400 314 577</p> <p>Plant Technician- Richard John Mobile: 0412 717 387</p>
<p>Plant Issues:</p> <p>Large Chemical Spills Emergency services P) 02 4904 5200</p>	<p>SUEZ Staff</p> <p>Operations Manager – Nadeem Akram Mobile: 0437316160</p> <p>General Manager Water Operations - Mark Lautre Mobile: 0408 402 256</p> <p>COO – Roberto Bianchi 0418343571</p> <p>National EQS Manager- Nichole Perry Mobile: 0409 959 733</p>
<p>CLIENT</p> <p>Risk & Compliance Manager – Brad Rea Mobile: 0400 296 171</p>	



Kooragang Water Pty Ltd
WIC Act licence application
13 April 2022

Attachment 27:
Rosehill Network NOL



New South Wales

Water Industry Competition Act 2006 (NSW)

Section 10

Notice of Decision - Application for a Variation of Network Operator's Licence No. 09_002

I, The Hon. Melinda Pavey, MP, Minister for Water, Property and Housing have decided to grant Rosehill Network Pty Ltd (**Applicant**)'s (ACN 131 213 691) application (**Application**) to grant a varied network operator's licence number 09_002 (**Licence**) under section 10(1) of the *Water Industry Competition Act 2006* (NSW) (**Act**). The reasons for my decision are set out below.

I have considered and accepted the Independent Pricing and Regulatory Tribunal (**IPART**)'s advice and recommendations in its report to me on the Application. I attach IPART's report.

Based on my consideration and acceptance of IPART's report:

- (a) I am satisfied that the Applicant is not a disqualified corporation for the purposes of section 10(3)(a) of the Act;
- (b) I am satisfied that the Applicant is not a corporation that is a related entity (within the meaning of the *Corporations Act 2001* (Cth)) of a disqualified corporation that would have a direct or indirect interest in, or influence on, the carrying out of the activities that the Licence, if varied in accordance with the Application, would authorise, for the purposes of section 10(3)(b) of the Act; and
- (c) I am satisfied as to each of the criteria set out in section 10(4) of the Act.

I have also had regard to the licensing principles set out in section 7 of the Act in considering whether or not to grant the Licence variation and what conditions should be imposed on the Licence.

I attach the Licence, as varied.

.....
The Hon. Melinda Pavey, MP
Minister for Water, Property and Housing

Dated this 20th day of September 2021



NEW SOUTH WALES GOVERNMENT

Water Industry Competition Act 2006 (NSW)

Network operator's licence

Licence no. 09_002

Rosehill Network Pty Ltd

(ACN 131 213 691)

PRELIMINARY

1. Summary

- 1.1. This Licence is granted under section 10(1) of the Act.
- 1.2. The Act prohibits a person from constructing, maintaining or operating any water industry infrastructure otherwise than under the authority of a licence. This Licence authorises the Licensee and other Authorised Persons to carry out such activities that would otherwise be prohibited under the Act.

2. Outline

- 2.1. This Licence is divided into the following sections and schedules:

Section 1 authorises the construction, maintenance and operation of water infrastructure for non-potable water (if applicable).
--

Section 2 authorises the construction, maintenance and operation of water infrastructure for drinking water (if applicable).

Section 3 authorises the construction, maintenance and operation of sewerage infrastructure (if applicable).

Schedule A sets out special Ministerially-imposed licence conditions that are specific to this Licence.
--

Schedule B sets out Ministerially-imposed licence conditions that generally apply to network operator's licences granted under the Act.
--

Schedule C sets out definitions and interpretation provisions.

Schedule D sets out the area of operations for the activities authorised under Section 1.
--

Schedule E provides indicative maps for reference only.
--

- 2.2. In addition to the conditions in Schedules A and B to this Licence, the Act and Regulation also contain conditions that apply to this Licence. Nothing in

Schedules A or B modifies or affects the conditions imposed on this Licence by the Act or Regulation.

- 2.3. Where there is an inconsistency between Schedule E and Schedule D, Schedule D is to prevail over Schedule E to the extent of the inconsistency.

SECTION 1 – ACTIVITIES AUTHORISED: NON-POTABLE WATER

Subject to the conditions imposed by the Act, the Regulation and Schedules A and B of this Licence, this Licence authorises the Licensee and any Authorised Persons specified in Table 1.1 to construct, maintain and operate the water industry infrastructure specified in Table 1.2:

- a) for one or more of the purposes for water industry infrastructure specified in Table 1.2; and
- b) within the area of operations specified in Table 1.3.

The non-potable water supplied by means of the water industry infrastructure specified in Table 1.2 may only be used for the authorised purposes for non-potable water specified in Table 1.4.

Table 1.1 Authorised Persons

- | |
|--|
| 1) Water Utilities Australia Pty Ltd (ACN 129 876 213) |
| 2) AquaNet Sydney Pty Ltd (ACN 131 235 124) |
| 3) Veolia Water Australia Pty Ltd (ACN 061 161 279) |

Table 1.2 Water industry infrastructure and purposes for water industry infrastructure

- | |
|---|
| 1) A treatment plant for non-potable water and other water infrastructure used, or to be used, in connection with the treatment plant, where components of the treatment plant or other water infrastructure may be used for one or more of the following purposes for water industry infrastructure:
<ol style="list-style-type: none">a) production of non-potable water;b) treatment of non-potable water;c) filtration of non-potable water;d) storage of non-potable water; ande) conveyance of non-potable water. |
| 2) A reticulation network for non-potable water and other water infrastructure used, or to be used, in connection with the reticulation network, where components of the reticulation network or other water infrastructure may be used for one or more of the following purposes for water industry infrastructure:
<ol style="list-style-type: none">a) production of non-potable water;b) treatment of non-potable water;c) filtration of non-potable water;d) storage of non-potable water; ande) conveyance of non-potable water. |

Table 1.3 Area of operations

1)	For the water industry infrastructure described in Table 1.2(1), refer to Schedule D, Table D.1.
2)	For the water industry infrastructure described in Table 1.2(2), the Local Government Areas of Fairfield City Council and Liverpool City Council as they were on 26 July 2015 and the former Local Government Area of each of the following, as they were on 26 July 2015: <ul style="list-style-type: none">a) Auburn City Council;b) Bankstown City Council;c) Holroyd City Council; andd) Parramatta City Council.

Table 1.4 Authorised purposes for non-potable water

1)	Cooling tower make-up
2)	Fire-fighting
3)	Industrial process
4)	Irrigation
5)	Toilet flushing
6)	Washing machine (cold water tap only)
7)	Wash-down

SECTION 2 – ACTIVITIES AUTHORISED: DRINKING WATER

[Not applicable]

Table 2.1 Authorised Persons

[Not applicable]

Table 2.2 Water industry infrastructure and purposes for water industry infrastructure

[Not applicable]

Table 2.3 Area of operations

[Not applicable]

SECTION 3 – ACTIVITIES AUTHORISED: SEWERAGE SERVICES

[Not applicable]

Table 3.1 Authorised Persons

[Not applicable]

Table 3.2 Water industry infrastructure and purposes for water industry infrastructure

[Not applicable]

Table 3.3 Area of operations

[Not applicable]

SCHEDULE A – SPECIAL MINISTERIALLY-IMPOSED LICENCE CONDITIONS

1. Notification of changes to Agreement

1.1. If a party to an Agreement proposes to:

- a) terminate the Agreement;
- b) novate the Agreement;
- c) assign or transfer any of its rights or obligations under the Agreement to any other person; or
- d) alter the Agreement in any way that materially reduces the Licensee's technical, financial or organisational capacity to carry out the activities authorised by this Licence,

the Licensee must provide IPART with written notice of that fact as soon as practicable, but no later than 14 days after the change is made. The written notice must include details of how the services provided under the Agreement will be provided subsequent to the proposed termination, novation, assignment, transfer or alteration.

SCHEDULE B – GENERAL MINISTERIALLY-IMPOSED LICENCE CONDITIONS

1. Ongoing capacity to operate

- 1.1. The Licensee must have the technical, financial and organisational capacity to carry out the activities authorised by this Licence. If the Licensee ceases to have this capacity, it must report this to IPART in accordance with the Reporting Manual.

2. Maintaining appropriate insurance

- 2.1. The Licensee must hold insurance that is appropriate for the size and nature of the activities that the Licensee is carrying out under this Licence.
- 2.2. The Licensee must provide a copy of each certificate of currency of the insurance maintained by the Licensee to IPART in accordance with the Reporting Manual.
- 2.3. *[Not applicable]*
- 2.4. *[Not applicable]*
- 2.5. If, in relation to the activities authorised by this Licence, there is, or is to be, a change in either of the following, the Licensee must provide a report to IPART in accordance with the Reporting Manual:
- a) the insurer or underwriting panel in respect of an insurance policy held by the Licensee; or
 - b) the type, scope or limit on the amount of insurance held by the Licensee.
- 2.6. From time to time when requested in writing by IPART, the Licensee must provide a report to IPART, in the manner and form and within the timeframes specified by IPART, from an Insurance Expert certifying that in the Insurance Expert's opinion the type, scope and limit on the amount of insurance held by the Licensee is appropriate for the size and nature of the activities that the Licensee is carrying out under this Licence.

[Note: The circumstances in which IPART may request a report under clause 2.6 include (but are not limited to) the following:

- *where IPART considers that there may be a change in the type, scope or limit on the amount of insurance held by the Licensee in relation to activities that the Licensee is carrying out under this Licence;*
- *where there is a change in the type or extent of activities authorised by this Licence; or*

- *where IPART or an approved auditor considers that the type, scope or limit on the amount of insurance held by the Licensee may not be appropriate for the size and nature of the activities that the Licensee is carrying out under this Licence.]*

3. Complying with NSW Health requirements

- 3.1. The Licensee must carry out the activities authorised by this Licence in compliance with any requirements of NSW Health that:
- a) IPART has agreed to; and
 - b) are notified from time to time to the Licensee by IPART in writing.

4. Complying with Audit Guidelines

- 4.1. The Licensee must comply with any Audit Guidelines issued by IPART.

5. Reporting in accordance with the Reporting Manual

- 5.1. The Licensee must prepare and submit reports in accordance with the Reporting Manual.

6. Reporting information in relation to the register of licences

- 6.1. The Licensee must notify IPART, and provide IPART with details, of any change in relation to the following, in accordance with the Reporting Manual, within 14 days of the change:
- a) any source from which the water handled by the Specified Water Industry Infrastructure is derived;
 - b) the identity of each licensed retail supplier or public water utility that has access to the infrastructure services provided by the Specified Water Industry Infrastructure for the purpose of supplying water to its customers;
 - c) any other water infrastructure to which the Specified Water Industry Infrastructure is connected; and
 - d) in the case of non-potable water, the authorised purposes for that water.
 - e) *[Not applicable]*
 - f) *[Not applicable]*
 - g) *[Not applicable]*

7. Monitoring

- 7.1. The Licensee must undertake any monitoring that is required for the purposes of this Licence, any Plan, the Act or the Regulation in accordance with this clause 7.
- 7.2. The Licensee must keep the following records of any samples taken for monitoring purposes specified in the Water Quality Plan:
- a) the date on which the sample was taken;
 - b) the time at which the sample was collected;
 - c) the point or location at which the sample was taken; and
 - d) the chain of custody of the sample (if applicable).
- 7.3. The Licensee must ensure that analyses of all samples taken for the purposes of Verification Monitoring are carried out by a laboratory accredited for the specified tests by an independent body that is acceptable to NSW Health, such as the National Association of Testing Authorities or an equivalent body.

8. Delineating responsibilities

- 8.1. If a code of conduct has not been established under clause 25 of the Regulation, the Licensee must, by a date specified by IPART, establish a code of conduct (**Licensee's Code of Conduct**) in accordance with this clause 8.
- 8.2. *[Not applicable]*
- 8.3. Within 6 months of the date on which this Licence is granted or by a later date specified by IPART (if any), the Licensee's Code of Conduct must be agreed in writing between:
- a) the Licensee; and
 - b) each licensed network operator, licensed retail supplier and/or public water utility that:
 - i) supplies water or provides sewerage services by means of any water industry infrastructure that is connected to the Specified Water Industry Infrastructure; or
 - ii) constructs, maintains or operates any water industry infrastructure that is connected to the Specified Water Industry Infrastructure.
- 8.4. The Licensee's Code of Conduct must set out the respective responsibilities of the entities specified in clause 8.3 by, at a minimum, providing for:
- a) who is responsible for repairing, replacing or maintaining any pipes, pumps, valves, storages or other infrastructure connecting the Specified Water Industry Infrastructure to the other water industry infrastructure;
 - b) who is responsible for water quality;

- c) who is liable in the event of the unavailability of water;
- d) who is liable in the event of failure of any water industry infrastructure;
- e) the fees and charges payable in respect of the use of the water industry infrastructure; and
- f) who is responsible for handling customer complaints.

8.5. The Licensee must not contravene the Licensee's Code of Conduct to the extent that it makes the Licensee responsible or liable for the matters set out in it.

9. Notification of changes to end-use

9.1. If the Licensee proposes to operate the Specified Water Industry Infrastructure to supply non-potable water for an end-use which is not set out in the most recent Water Quality Plan provided to IPART, the Licensee must notify IPART in writing at least 3 months before commencing such operation.

10. Notification of commercial operation

10.1. Each time the Licensee has brought any new Specified Water Industry Infrastructure into commercial operation, the Licensee must:

- a) notify IPART in accordance with the Reporting Manual that it has brought the relevant Specified Water Industry Infrastructure into commercial operation; and
- b) provide such notification within 10 days after it has brought the relevant Specified Water Industry Infrastructure into commercial operation.

11. Notification of non-compliant Plumbing

11.1. If the Licensee becomes aware that a customer's Plumbing is not Code Compliant, the Licensee must, within 10 days:

- a) notify the customer of that fact, in writing, and
- b) where the Plumbing that is not Code Compliant threatens, or could threaten, water quality, public health or safety, also notify the Plumbing Regulator of that fact, in writing.

[Note: Without limiting paragraph (b), an example of Plumbing which must be notified to the Plumbing Regulator under that clause is Plumbing that contains a point where it is possible for non-potable water to come into contact with a drinking water supply.]

SCHEDULE C – INTERPRETATION AND DEFINITIONS

1. Interpretation

1.1. In this Licence, unless the context requires otherwise:

- a) the singular includes the plural and vice versa;
- b) headings are used for convenience only and do not affect the interpretation of this Licence;
- c) a reference to a document includes the document as modified from time to time and any document replacing it;
- d) a reference to a “person” includes a natural person and any body or entity whether incorporated or not;
- e) a reference to a clause is to a clause in this Licence;
- f) a reference to a section is to a section in this Licence;
- g) a reference to a schedule is to a schedule to this Licence;
- h) a reference to a law or statute includes regulations, rules, codes and other instruments under it, and consolidations, amendments, re-enactments or replacements of them; and
- i) explanatory notes do not form part of this Licence, but in the case of uncertainty may be relied on for interpretation purposes.

2. Definitions

2.1. Expressions used in this Licence that are defined in the Act or the Regulation have the meanings set out in the Act or the Regulation.

2.2. In this Licence:

Act	means the <i>Water Industry Competition Act 2006</i> (NSW).
Agreement	means any agreement or deed provided to IPART in connection with the Licensee's application for this Licence, or any application to vary this Licence.
Audit Guidelines	means the document titled “ <i>Audit Guideline under the Water Industry Competition Act 2006</i> ”, which is prepared by IPART and is available on IPART's website at www.ipart.nsw.gov.au , and any other guidelines issued by IPART in relation to audits under the Act.

Authorised Person	means each person specified in, as applicable: <ul style="list-style-type: none"> a) <i>section 1, Table 1.1;</i> a) <i>section 2, Table 2.1; and</i> b) <i>section 3, Table 3.1.</i>
Code Compliant	has the meaning given to that term under section 7 of the <i>Plumbing and Drainage Act 2011</i> (NSW).
Insurance Expert	means an insurance broker which holds an Australian financial services licence under Part 7.6 of the <i>Corporations Act 2001</i> (Cth) that authorises the broker to provide financial product advice for, and deal in, contracts of insurance within the meaning of Chapter 7 of that Act.
IPART	means the Independent Pricing and Regulatory Tribunal of New South Wales established under the <i>Independent Pricing and Regulatory Tribunal Act 1992</i> (NSW).
Licence	means this network operator's licence granted under section 10 of the Act.
Licensee	means Rosehill Network Pty Ltd (ACN 131 213 691).
Licensee's Code of Conduct	has the meaning given in Schedule B, clause 8.1.
Local Government Area	Has the same meaning as area has in the <i>Local Government Act 1993</i> (NSW)
Minister	means the Minister responsible for Part 2 of the Act.
NSW Health	means the Water Unit of NSW Ministry of Health and any of the local health districts as defined by the NSW Ministry of Health.

Plan	means any infrastructure operating plan, water quality plan or sewage management plan that the Licensee is required to prepare under the Regulation.
Plumbing	<p>means any pipe, fitting or apparatus that is situated:</p> <ul style="list-style-type: none"> a) downstream of the customer's connection point to a water main, where the water main is Specified Water Industry Infrastructure; b) upstream of a customer's connection point to a sewer main, where the sewer main is Specified Water Industry Infrastructure; or c) upstream of a customer's connection point to a stormwater drain, where the stormwater drain is Specified Water Industry Infrastructure.
Plumbing Regulator	has the meaning given to that term under section 3 of the <i>Plumbing and Drainage Act 2011</i> (NSW).
Regulation	means the <i>Water Industry Competition (General) Regulation 2008</i> (NSW).
Reporting Manual	means the document titled "Network Operator Reporting Manual under the <i>Water Industry Competition Act 2006</i> (NSW)", which is prepared by IPART and is available on IPART's website at www.ipart.nsw.gov.au .
Specified Water Industry Infrastructure	<p>means the water industry infrastructure specified in, as applicable:</p> <ul style="list-style-type: none"> a) section 1, Table 1.2; b) section 2, Table 2.2; and c) section 3, Table 3.2.
Verification Monitoring	means verification monitoring as described in the document titled " <i>Australian Drinking Water Guidelines</i> " or the document titled " <i>Australian Guidelines for Water Recycling</i> " as the case may be.
Water Quality Plan	means the water quality plan that the Licensee is required to prepare under the Regulation.

SCHEDULE D – AREA OF OPERATIONS – NON-POTABLE WATER TREATMENT PLANT

Table D.1 Vertices for area of operations for non-potable water treatment plant

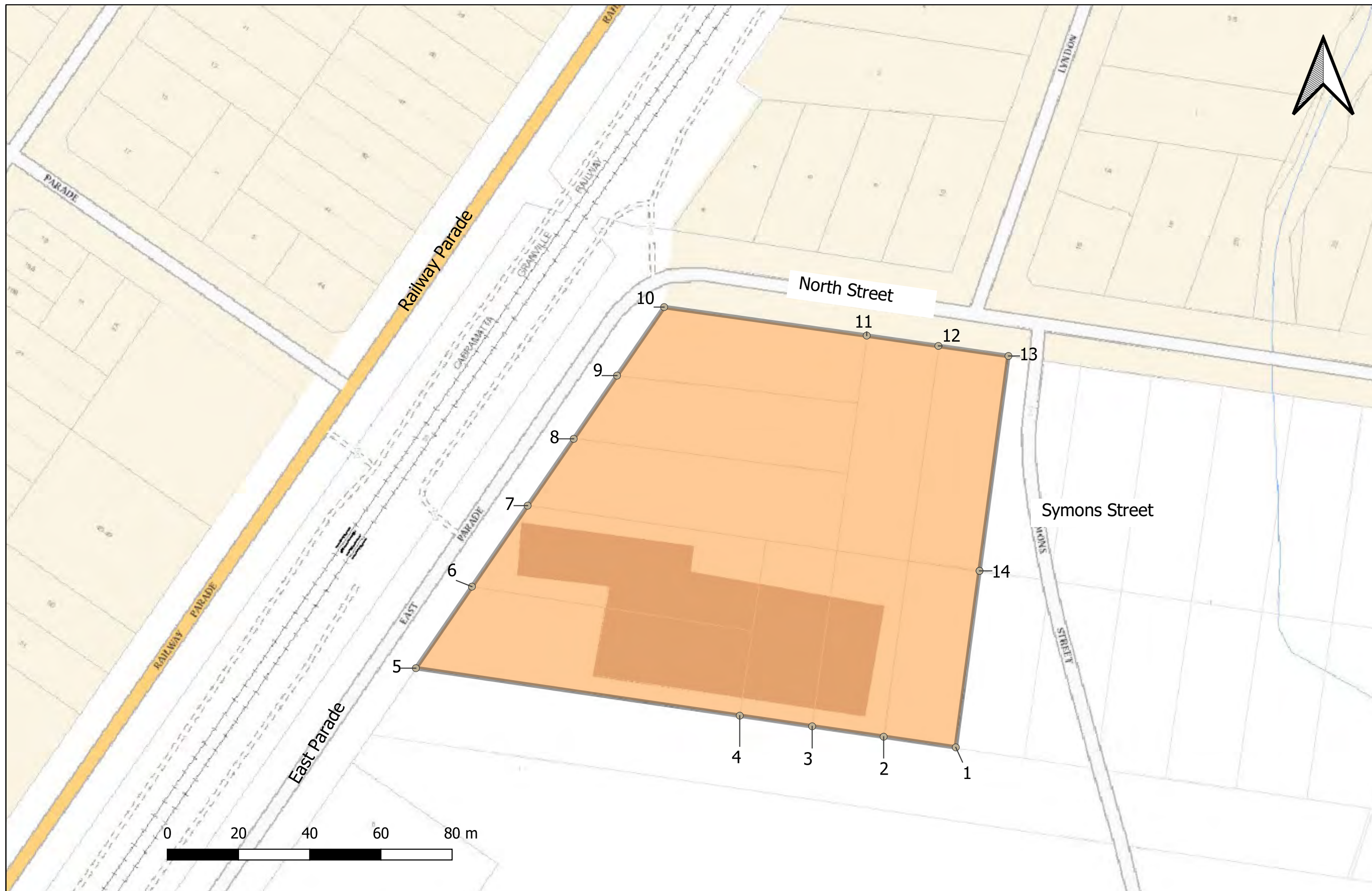
Vertex	Easting	Northing
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1	310666.2595	6249341.441
2	310645.989	6249344.433
3	310625.9006	6249347.36
4	310605.5531	6249350.346
5	310514.5482	6249363.685
6	310530.3061	6249386.579
7	310545.9469	6249409.314
8	310558.8966	6249428.074
9	310571.0675	6249445.824
10	310584.3037	6249465.065
11	310641.2294	6249457.063
12	310661.3624	6249454.16
13	310681.0557	6249451.338
14	310672.9332	6249391.008

Note: Coordinate reference system is MGA 56.

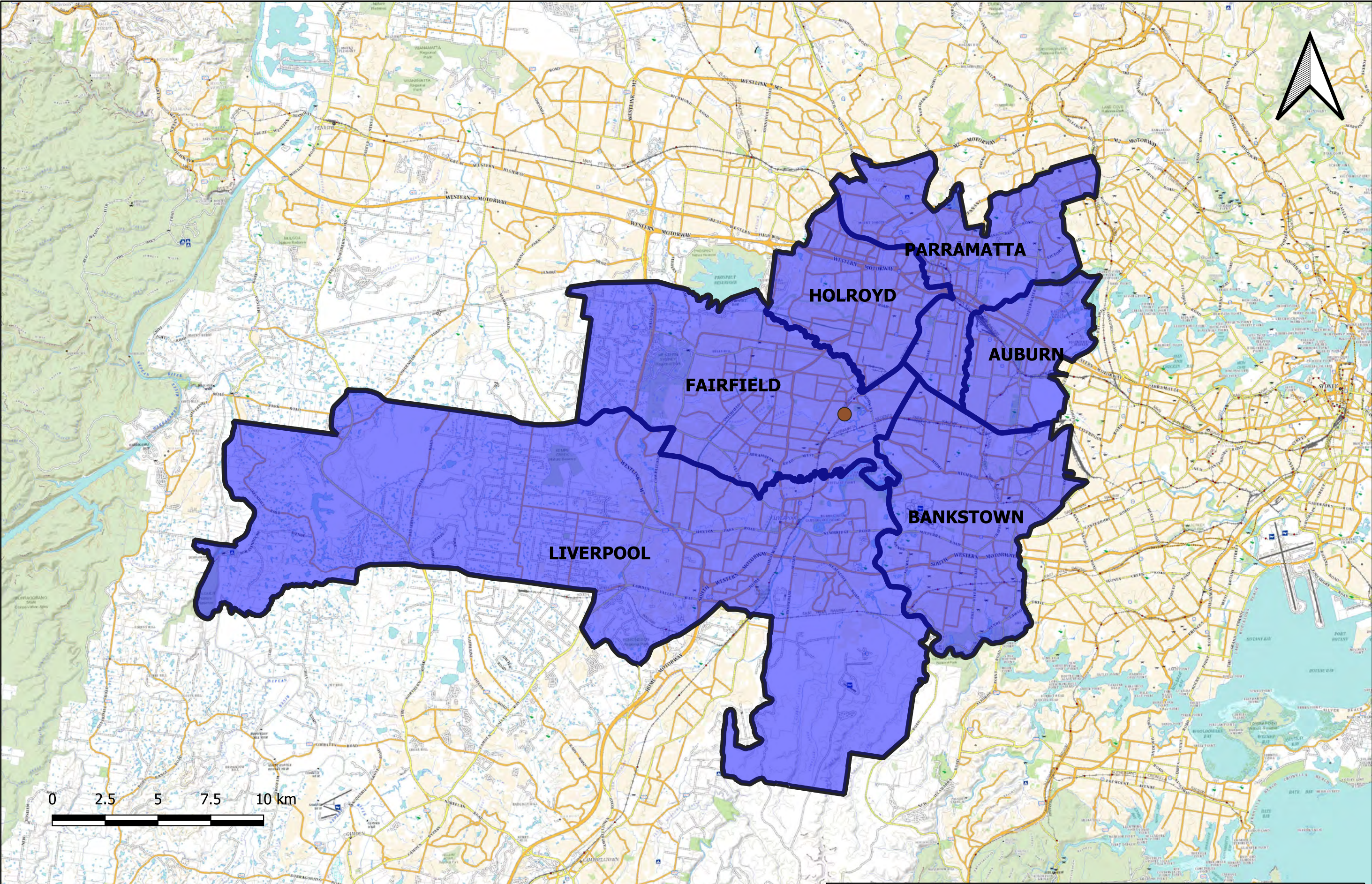
SCHEDULE E – AREA OF OPERATIONS – MAPS

Schedule E contains two maps:

- 1) Map 1 Non-potable water treatment plant
- 2) Map 2 Non-potable water network area






<p>Rosehill Network - Area of Operations - Treatment Plant</p> <p>Date created: 30 June 2021</p> <p>Version: 1.0</p>	<p>LEGEND</p> <ul style="list-style-type: none">Vertices (MGA Zone 56)Fairfield_treatment_plant	<p>LICENCE DETAILS:</p> <p>Licence Number: 09_002</p> <p>Licence Type: Network Operator's Licence</p> <p>Licensor: Rosehill Network Pty Ltd (ACN 131 213 691)</p>
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Rosehill Network - Area of Operations - Reticulation network

Date created: 30 June 2021
Version: 1.0

LEGEND

-  Fairfield_treatment_plant
-  Area of operations - reticulation network
-  LGA boundaries

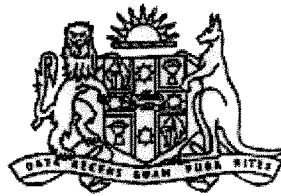
LICENCE DETAILS:

Licence Number: 09_002
Licence Type: Network Operator's Licence
Licensee: Rosehill Network Pty Ltd (ACN 131 213 691)



Kooragang Water Pty Ltd
WIC Act licence application
13 April 2022

Attachment 28:
Suez NOL



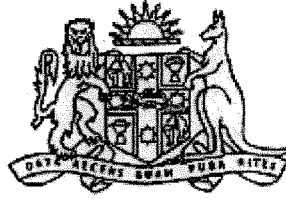
**NEW SOUTH WALES
GOVERNMENT**

***WATER INDUSTRY COMPETITION ACT 2006
(NSW)***

**NETWORK OPERATOR'S LICENCE
Licence no. 16_038**

**SUEZ Water and Treatment Solutions Pty
Ltd**

(ACN 051 950 068)



New South Wales

Water Industry Competition Act 2006 (NSW)

Section 10

Notice of Decision - Application for a network operator's licence by Suez Water and Treatment Solutions Pty Ltd

I, The Hon. Niall Blair MLC, Minister for Lands and Water, have considered and accepted the advice and recommendations made by the Independent Pricing and Regulatory Tribunal (**IPART**) in its report to me on the application by Suez Water and Treatment Solutions Pty Ltd (ACN 051 950 068) (**Applicant**) for a network operator's licence under the *Water Industry Competition Act 2006* (NSW) (**the Act**). I attach IPART's report (**Attachment A**).

Based on my consideration and acceptance of IPART's report:

- (a) I am satisfied that the Applicant is not a disqualified corporation for the purposes of section 10(3)(a) of the Act;
- (b) I am satisfied that the Applicant is not a corporation that is a related entity (within the meaning of the *Corporations Act 2001* (Cth)) of a disqualified corporation that would have a direct or indirect interest in, or influence on, the carrying out of the activities that the licence would authorise (if granted), for the purposes of section 10(3)(b) of the Act; and
- (c) I am satisfied as to each of the criteria set out in section 10(4) of the Act.

I have also had regard to the licensing principles set out in section 7 of the Act in considering whether or not to grant the licence and what conditions should be imposed on any such licence granted.

Under section 10 of the Act, for the reasons set out above, I have decided to grant a network operator's licence to the Applicant, subject to the conditions set out in licence number 16_038, the Act and the *Water Industry Competition (General) Regulation 2008* (NSW). I hereby attach the licence (**Attachment B**).

A handwritten signature in black ink, consisting of a stylized 'N' and 'B'.

The Hon. Niall Blair, MLC
Minister for Lands and Water

Dated this 12th day of December 2016

LICENCE SCOPE

ACTIVITIES AUTHORISED UNDER THE LICENCE AND AREA OF OPERATIONS

S1 Activities authorised - non-potable water

S1.1 This Licence authorises the Licensee and any authorised persons specified in Table 1.1 to construct, maintain and operate the water industry infrastructure specified in Table 1.2:

- a) for one or more of the authorised purposes specified in Table 1.3; and
- b) within the area of operations specified in Table 1.4,
subject to the conditions imposed by or under the Act, the Regulation and Schedules A and B of this Licence.

S1.2 The non-potable water referred to in this section S1 may only be used for one or more of the following authorised purposes:

- a) industrial process water;
- b) cooling towers; and
- c) on-site reuse.

Table 1.1 Authorised persons

None

Table 1.2 Water industry infrastructure

-
- 1) A treatment plant for non-potable water and other water infrastructure used, or to be used, in connection with the treatment plant, where components of the treatment plant or other water infrastructure may also be used for one of the following:
- a) Production of non-potable water;
 - b) Treatment of non-potable water;
 - c) Filtration of non-potable water;
 - d) Storage of non-potable water; and
 - e) Conveyance of non-potable water.
- 2) A reticulation network for non-potable water and other water infrastructure used, or to be used, in connection with the reticulation network, where components of the reticulation network or other water infrastructure may also be used for one or more of the following:
- a) Storage of non-potable water;
 - b) Conveyance of non-potable water; and
 - c) Treatment of non-potable water.
-

Table 1.3 Authorised purposes

-
1. Production of non-potable water;
 2. Treatment of non-potable water;
 3. Filtration of non-potable water;
 4. Storage of non-potable water; and
 5. Conveyance of non-potable water.
-

Table 1.4 Area of operations

- 1) The Industrial Water Plant Area.
 - 2) The pipeline from Shortland Wastewater Treatment Works connection point to the Industrial Water Plant Area as described in section 2.6.3.1 of the Kooragang Industrial Water Scheme REF
 - 3) The pipeline from the Industrial Water Plant Area to Burwood Beach Wastewater System connection point as described in section 2.6.3.3 of the Kooragang Industrial Water Scheme REF.
 - 4) The pipeline from the Industrial Water Plant to Shortland Wastewater Treatment Works discharge pipeline connection point as described in section 2.6.3.4 of the Kooragang Industrial Water Scheme REF.
 - 5) The pipeline from the Industrial Water Plant Area to industrial customer(s) as described in section 4.2.2 of the Kooragang Industrial Water Scheme Addendum REF.
-

S2 Activities authorised – drinking water supply

[Not applicable]

Table 2.1 Authorised persons

[Not applicable]

Table 2.2 Water industry infrastructure

[Not applicable]

Table 2.3 Authorised purposes

[Not applicable]

Table 2.4 Area of operations

[Not applicable]

S3 Activities authorised – sewerage services

[Not applicable]

Table 3.1 Authorised persons

[Not Applicable]

Table 3.2 Water industry infrastructure

[Not Applicable]

Table 3.3 Authorised purposes

[Not Applicable]

Table 3.4 Area of operations

[Not Applicable]

SCHEDULE A - SPECIAL MINISTERIALLY-IMPOSED LICENCE CONDITIONS FOR SUEZ WATER AND TREATMENT SOLUTIONS PTY LTD'S NETWORK OPERATOR'S LICENCE

This schedule sets out the conditions which the Minister imposes pursuant to section 13(1)(b) of the Act. In addition to these special Ministerially-imposed conditions, the Licensee is subject to obligations imposed by the Act, the Regulation and the standard Ministerially-imposed licence conditions set out in Schedule B. The Minister may vary the conditions in this schedule or impose new conditions, provided there is no inconsistency with the conditions imposed on the Licensee by the Act or the Regulation.

A1 Kooragang Industrial Water Scheme REF and Kooragang Industrial Water Scheme Addendum REF

- A1.1 The Licensee, or any Authorised Person specified in the Licence, must undertake the activities that are authorised by the Licence in a manner which is substantially consistent with the Kooragang Industrial Water Scheme REF and the Kooragang Industrial Water Scheme Addendum REF. This includes, but is not limited to, the implementation of environmental mitigation measures.
- A1.2 To the extent that there is any inconsistency between the Kooragang Industrial Water Scheme REF and the Kooragang Industrial Water Scheme Addendum REF, the Kooragang Industrial Water Scheme Addendum REF is to prevail.

SCHEDULE B - STANDARD MINISTERIALLY-IMPOSED LICENCE CONDITIONS FOR LICENSED NETWORK OPERATORS UNDER THE ACT

This schedule sets out the standard conditions which the Minister imposes on the Licensee and other licensed network operators pursuant to section 13(1)(b) of the Act. In addition to these standard Ministerially-imposed conditions, the Licensee is subject to obligations imposed by the Act, the Regulation and the special Ministerially-imposed licence conditions set out in Schedule A. The Minister may vary the conditions in this schedule or impose new conditions, provided there is no inconsistency with the conditions imposed on the Licensee by the Act or the Regulation.

B1 Ongoing capacity to operate

- B1.1 The Licensee must have the technical, financial and organisational capacity to carry out the activities authorised by this Licence. If the Licensee ceases to have this capacity, it must report this to IPART immediately in accordance with the Reporting Manual.

B2 Obtaining appropriate insurance

- B2.1 *[Not applicable]*

- B2.2 The Licensee must:

- a) on the date on which this Licence is granted for the Specified Water Industry Infrastructure under this Licence:
 - i) hold insurance that is appropriate for the size and nature of the activities authorised under this Licence; and
 - ii) provide a copy of each certificate of currency of the insurance obtained to IPART; and
- b) within 6 months of the date on which this Licence is granted or by a later date specified by IPART (if any), demonstrate that the insurance held is appropriate for the size and nature of the activities authorised under this Licence by providing a report to IPART from an Insurance Expert that:
 - i) certifies that in the Insurance Expert's opinion, the type and level of the insurance held by the Licensee is appropriate for the size and nature of the activities authorised under the Licence; and
 - ii) is in the form prescribed by the Reporting Manual.

B3 Maintaining appropriate insurance

- B3.1 The Licensee must maintain insurance that is appropriate for the size and nature of the activities authorised under this Licence.
- B3.2 The Licensee must provide a copy of each certificate of currency of the insurance maintained by the Licensee to IPART in accordance with the Reporting Manual.
- B3.3 If there is, or is to be, a change in:
- a) the insurer or underwriting panel in respect of an insurance policy held by the Licensee; or
 - b) the type, scope or limit on the amount of insurance held by the Licensee,
- in relation to the activities authorised under this Licence, the Licensee must provide a report to IPART in accordance with the Reporting Manual.

- B3.4 From time to time when requested in writing by IPART, the Licensee must provide a report to IPART, in the manner, form and time specified by IPART, from an Insurance Expert certifying that in the Insurance Expert's opinion the type, scope or limit on the amount of the insurance held by the Licensee is appropriate for the size and nature of the activities authorised under this Licence.

[Note: The circumstances in which IPART may request a report under clause B3.4 include (but are not limited to) the following:

- *where IPART has reason to believe that there may be a change in the type, scope or limit on the amount of insurance held by the Licensee in relation to activities authorised under this Licence;*
- *where there is a change in the type or extent of activities authorised under this Licence; or*
- *where IPART or an approved auditor has reason to believe that the type, scope or limit on the amount of insurance held by the Licensee may not be appropriate for the size and nature of the activities authorised under this Licence.]*

B4 Complying with NSW Health requirements

- B4.1 The Licensee must carry out the activities authorised by this Licence in compliance with any requirements of NSW Health that:
- a) IPART has agreed to; and
 - b) are notified from time to time to the Licensee by IPART in writing.

B5 Complying with Audit Guidelines from IPART

- B5.1 The Licensee must comply with any Audit Guidelines issued by IPART.

B6 Reporting in accordance with the Reporting Manual

- B6.1 The Licensee must prepare and submit reports in accordance with the Reporting Manual.

B7 Reporting information in relation to the register of licences

- B7.1 The Licensee must notify IPART, and provide IPART with details, of any change in relation to the following, in accordance with the Reporting Manual, within 14 days of the change:
- a) any source from which the water handled by the Specified Water Industry Infrastructure is derived;
 - b) the authorised purposes of the non-potable water specified in clause S1.2;
 - c) the identity of each licensed retail supplier or public water utility that has access to the infrastructure services provided by the Specified Water Industry Infrastructure for the purpose of supplying water to its customers;
 - d) any other water infrastructure to which the Specified Water Industry Infrastructure is connected;
 - e) *[Not applicable]*
 - f) *[Not applicable]*
 - g) the arrangements for the disposal of waste from the Specified Water Industry Infrastructure.

B8 Monitoring

- B8.1 The Licensee must undertake any monitoring that is required for the purposes of this Licence, any Plan, the Act or the Regulation in accordance with this clause 0.
- B8.2 The Licensee must keep the following records of any samples taken for monitoring purposes specified in the Water Quality Plan:
- a) the date on which the sample was taken;
 - b) the time at which the sample was collected;
 - c) the point or location at which the sample was taken; and
 - d) the chain of custody of the sample (if applicable).
- B8.3 The Licensee must ensure that analyses of all samples taken for the purposes of Verification Monitoring are carried out by a laboratory accredited for the specified tests by an independent body that is acceptable to NSW Health, such as the National Association of Testing Authorities or an equivalent body.

B9 Provision of copy of Plan

- B9.1 Whenever the Licensee makes a significant amendment to a Plan, the Licensee must provide a copy of the amended Plan to IPART at the same time that it provides a copy to the approved auditor engaged to prepare a report as to the adequacy of the amended Plan, as required under the Regulation.

B10 Delineating responsibilities – interconnections

- B10.1 If a code of conduct has not been established under clause 25 of the Regulation, the Licensee must (by a date specified by IPART) establish a code of conduct (**Licensee's Code of Conduct**) in accordance with this clause B10.
- B10.2
- a) The Licensee's Code of Conduct must set out the respective responsibilities of:
 - i) the Licensee; and
 - ii) each licensed network operator, licensed retail supplier and/or public water utility that:
 - A) supplies water or provides sewerage services by means of; or
 - B) constructs, maintains or operates, any water industry infrastructure that is connected to the Specified Water Industry Infrastructure.
 - b) The Licensee's Code of Conduct must set out the respective responsibilities of the entities specified in clause B10.2(a) by, at a minimum, providing for:
 - i) who is responsible for repairing, replacing or maintaining any pipes, pumps, valves, storages or other infrastructure connecting the Specified Water Industry Infrastructure to the other water industry infrastructure;
 - ii) who is responsible for water quality;
 - iii) who is liable in the event of the unavailability of water;
 - iv) who is liable in the event of failure of the Specified Water Industry Infrastructure;
 - v) the fees and charges payable in respect of the use of the Specified Water Industry Infrastructure; and
 - vi) who is responsible for handling customer complaints.

B10.3 *[Not applicable]*

B10.4 Within 6 months of the date on which this Licence is granted or by a later date specified by IPART (if any), the Licensee's Code of Conduct must be agreed in writing between the Licensee and the other licensed network operators, licensed retail suppliers and/or public water utilities referred to in clause B10.2.

B10.5 The Licensee must not contravene the Licensee's Code of Conduct to the extent that it makes the Licensee responsible or liable for the matters set out in it.

B11 Notification of changes to end-use

B11.1 If the Licensee proposes to operate the Specified Water Industry Infrastructure to supply water for an end-use which is not set out in the most recent Water Quality Plan provided to IPART, the Licensee must notify IPART in writing at least 3 months before commencing such operation.

B12 Notification of changes to Authorised Person

B12.1 If an Authorised Person ceases, proposes to cease, or receives notification to cease providing any of the services relating to the activities authorised by this Licence, the Licensee must provide IPART with written notice as soon as practicable but no later than 28 days before the date of cessation of the services. The written notice must include details of how the services previously undertaken by the Authorised Person will continue to be undertaken.

B13 *[Not applicable]*

INTERPRETATION AND DEFINITIONS

1. Interpretation

1.1 In this licence, unless the context requires otherwise:

- a) the singular includes the plural and vice versa;
- b) headings are used for convenience only and do not affect the interpretation of this Licence;
- c) a reference to a document includes the document as modified from time to time and any document replacing it;
- d) a reference to a person includes a natural person and any body or entity whether incorporated or not;
- e) a reference to a clause is to a clause in this Licence;
- f) a reference to a schedule is to a schedule to this Licence;
- g) a reference to a law or statute includes regulations, rules, codes and other instruments under it, and consolidations, amendments, re-enactments or replacements of them; and
- h) explanatory notes do not form part of this Licence, but in the case of uncertainty may be relied on for interpretation purposes.

2. Definitions

2.1 Expressions used in this Licence that are defined in the Act or the Regulation have the meanings set out in the Act or the Regulation.

2.2 In this Licence:

Act	means the <i>Water Industry Competition Act 2006</i> (NSW).
Audit Guidelines	means the document entitled "Audit Guideline – Water Industry Competition Act 2006" which is prepared by IPART and is available on IPART's website at www.ipart.nsw.gov.au , and any other guidelines issued by IPART in relation to audits under the Act.
Authorised Person	means the authorised persons specified in, as applicable: <ul style="list-style-type: none">a) clause S1, Table 1.1;b) clause S2, Table 2.1; andc) clause S3, Table 3.1.
Burwood Beach Wastewater System	means the wastewater treatment works at Burwood Beach in the City of Newcastle local government area.
Insurance Expert	means an insurance broker which holds an Australian financial services licence under Part 7.6 of the <i>Corporations Act 2001</i> (Cth) that authorises the broker to provide financial product advice for, and deal in, contracts of insurance within the meaning of Chapter 7 of that Act.
Industrial Water Plant Area	means land situated under the following folio identifiers: <ul style="list-style-type: none">a) Lot 87 DP 270249;b) Lot 88 DP 270249;c) Lot 89 DP 270249; andd) Lot 90 DP 270249.

IPART	means the Independent Pricing and Regulatory Tribunal of New South Wales established under the <i>Independent Pricing and Regulatory Tribunal Act 1992</i> (NSW).
Kooragang Industrial Water Scheme REF	means the document entitled "Kooragang Industrial Water Scheme (KIWS) Review of Environmental Factors" (SKM, Final, September 2011).
Kooragang Industrial Water Scheme Addendum REF	means the document entitled "Kooragang Industrial Water Scheme Addendum Review of Environmental Factors" (Hunter Water Australia, Final, May 2013).
Licence	means this network operator's licence granted under section 10 of the Act.
Licensee	means SUEZ Water and Treatment Solutions Pty Ltd (ACN 051 950 068).
Licensee's Code of Conduct	has the meaning given in Schedule B, clause B10.1.
Minister	means the Minister responsible for Part 2 of the Act.
NSW Health	means the Water Unit of NSW Ministry of Health and any of the local health districts as defined by the NSW Ministry of Health.
Plan	means any infrastructure operating plan, water quality plan or sewage management plan that the Licensee is required to prepare under the Regulation.
Regulation	means the <i>Water Industry Competition (General) Regulation 2008</i> (NSW).
Reporting Manual	means the document entitled "Network Operator's Reporting Manual," which is prepared by IPART and is available on IPART's website at www.ipart.nsw.gov.au .
Shortland Wastewater Treatment Works	means the wastewater treatment works at Shortland in the Newcastle City Council local government area.
Specified Water Industry Infrastructure	means the water industry infrastructure specified in, as applicable: <ul style="list-style-type: none"> a) clause S1, Table 1.2; b) clause S2, Table 2.2; and c) clause S3, Table 3.2.
Verification Monitoring	means verification monitoring as described in the document entitled "Australian Drinking Water Guidelines" or the document entitled "Australian Guidelines for Water Recycling" as the case may be.
Water Quality Plan	means the water quality plan that the Licensee is required to prepare under the Regulation.



Kooragang Water Pty Ltd
WIC Act licence application
13 April 2022

Attachment 29:
QHSE Certifications



Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that:

WUA TopCo Pty Ltd
Suite 1005, 147 Pirie Street
Adelaide SA 5000

Holds Certificate Number:

FS 614830

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

The owner of water infrastructure assets and the management and of water utilities.

For and on behalf of BSI:

Chris Cheung, Head of Compliance & Risk - Asia Pacific

Original Registration Date: 2015-03-26

Latest Revision Date: 2021-01-25

Effective Date: 2021-01-25

Expiry Date: 2024-03-25

Page: 1 of 2



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Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: +44 (0)1908 590900.
BSI Assurance UK Limited, registered in England under number 7805333 at 389 Chiswick High Road, London W4 4AL, UK.
Information and Contact: BSI Group ANZ Pty Limited, ACN 078 659 211: Suite 1, Level 1, 59 Waverley Road, Macquarie Park, NSW 2113.
A Member of the BSI Group of Companies.

Certificate No: **FS 614830**

Location	Registered Activities
Water Utilities Australia Pty Ltd Suite 1005, 147 Pirie Street Adelaide SA 5000	The owner of water infrastructure assets and the management and of water utilities.
Willunga Basin Water Co Pty Ltd 120 Main Road Mclaren Vale SA 5171	The owner of water infrastructure assets and the management and of water utilities.
Lightsview ReWater Supply Co Pty Ltd Suite 1005, 147 Pirie Street Adelaide SA 5000	The owner of water infrastructure assets and the management and of water utilities.
Kooragang Water Pty Ltd Kooragang Industrial Water Scheme 15-19 Channel Road Mayfield West NSW 2304	The owner of water infrastructure assets and the management and of water utilities.
AquaNet Sydney Pty Ltd Rosehill Network Pty Ltd Rosehill Recycled Water Scheme 1 East Parade Fairfield NSW 2165	The owner of water infrastructure assets and the management and of water utilities.

Original Registration Date: 2015-03-26

Latest Revision Date: 2021-01-25

Effective Date: 2021-01-25

Expiry Date: 2024-03-25

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Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, Tel: +44 345 080 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK
Information and Contact: BSI Group ANZ Pty Limited, ACN 078 659 211, Suite 1, Level 1, 54 Waterloo Road, Macquarie Park, NSW 2113
A Member of the BSI Group of Companies.

Certificate of Registration

OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM - ISO 45001:2018

This is to certify that:

WUA TopCo Pty Ltd
Suite 1005, 147 Pirie Street
Adelaide SA 5000

Holds Certificate Number:

OHS 614834

and operates an Occupational Health and Safety Management System which complies with the requirements of ISO 45001:2018 for the following scope:

The owner of water infrastructure assets and the management and of water utilities.

Previously certified to AS/NZS 4801:2001 since 2015-03-26

For and on behalf of BSI:



Marc Barnes, Managing Director, BSI Group ANZ

Original Registration Date: 2021-01-25

Latest Revision Date: 2021-01-25

Effective Date: 2021-01-25

Expiry Date: 2024-03-25



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Information and Contact: BSI Group ANZ Pty Limited, ACN 078 659 211 Suite 1, Level 1, 54 Waterloo Road, Macquarie Park, NSW 2113
A Member of the BSI Group of Companies.

Certificate No: **OHS 614834**

Location	Registered Activities
Water Utilities Australia Pty Ltd Suite 1005, 147 Pirie Street Adelaide SA 5000	The owner of water infrastructure assets and the management and of water utilities.
Willunga Basin Water Co Pty Ltd 120 Main Road Mclaren Vale SA 5171	The owner of water infrastructure assets and the management and of water utilities.
Lightsview ReWater Supply Co Pty Ltd Suite 1005, 147 Pirie Street Adelaide SA 5000	The owner of water infrastructure assets and the management and of water utilities.
Kooragang Water Pty Ltd Kooragang Industrial Water Scheme 15-19 Channel Road Mayfield West NSW 2304	The owner of water infrastructure assets and the management and of water utilities.
AquaNet Sydney Pty Ltd Rosehill Network Pty Ltd Rosehill Recycled Water Scheme 1 East Parade Fairfield NSW 2165	The owner of water infrastructure assets and the management and of water utilities. Previously certified to AS/NZS 4801:2001 since 2015-03-26

Original Registration Date: 2021-01-25
Latest Revision Date: 2021-01-25

Effective Date: 2021-01-25
Expiry Date: 2024-03-25

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Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that:

WUA TopCo Pty Ltd
Suite 1005, 147 Pirie Street
Adelaide SA 5000

Holds Certificate Number:

EMS 614831

and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:

The owner of water infrastructure assets and the management and of water utilities.



For and on behalf of BSI:

Chris Cheung, Head of Compliance & Risk - Asia Pacific

Original Registration Date: 2015-03-26

Latest Revision Date: 2021-01-25

Effective Date: 2021-01-25

Expiry Date: 2024-03-25

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Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: +44 345 080 9000.
BSI Assurance UK Limited, registered in England under number 7805331 at 389 Chiswick High Road, London W4 4AL, UK.
Information and Contact: BSI Group ANZ Pty Limited, ACN 078 659 211, Suite 2, Level 1, 54 Waterloo Road, Marquarie Park, NSW 2113.
A Member of the BSI Group of Companies.

Certificate No: **EMS 614831**

Location	Registered Activities
Water Utilities Australia Pty Ltd Suite 1005, 147 Pirie Street Adelaide SA 5000	The owner of water infrastructure assets and the management and of water utilities.
Willunga Basin Water Co Pty Ltd 120 Main Road Mclaren Vale SA 5171	The owner of water infrastructure assets and the management and of water utilities.
Lightsview ReWater Supply Co Pty Ltd Suite 1005, 147 Pirie Street Adelaide SA 5000	The owner of water infrastructure assets and the management and of water utilities.
Kooragang Water Pty Ltd Kooragang Industrial Water Scheme 15-19 Channel Road Mayfield West NSW 2304	The owner of water infrastructure assets and the management and of water utilities.
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Original Registration Date: 2015-03-26

Latest Revision Date: 2021-01-25

Effective Date: 2021-01-25

Expiry Date: 2024-03-25

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Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, Tel: +44 (0)1908 9000
BSI Assurance UK Limited, registered in England under number 7805321, at 389 Chiswick High Road, London W4 4AL, UK.
Information and Contact: BSI Group ANZ Pty Limited, ACN 078 659 211, Suite 1, Level 1, 54 Waterloo Road, Macquarie Park, NSW 2113
a Member of the BSI Group of Companies.



Kooragang Water Pty Ltd
WIC Act licence application
13 April 2022

Attachment 30:
Suez Environmental Protection Licence

Environment Protection Licence

Licence - 20757

Licence Details

Number:	20757
Anniversary Date:	06-September

Licensee

SUEZ WATER & TREATMENT SOLUTIONS PTY LTD

LEVEL 3/3 RIDER BOULEVARD

RHODES NSW 2138

Premises

INDUSTRIAL WATER SCHEME - ADVANCED WATER
TREATMENT PLANT

15 - 21 CHANNEL ROAD

MAYFIELD WEST NSW 2304

Scheduled Activity

N/A

Fee Based Activity

Scale

Miscellaneous licensed discharge to waters (at any time)

> 20-100 ML maximum annual
volume of discharge authorised

Region

North - Hunter

Ground Floor, NSW Govt Offices, 117 Bull Street
NEWCASTLE WEST NSW 2302

Phone: (02) 4908 6800

Fax: (02) 4908 6810

PO Box 488G

NEWCASTLE NSW 2300

Environment Protection Licence

Licence - 20757



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Environment Protection Licence

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Information about this licence

Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).

Environment Protection Licence

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The EPA publication "A Guide to Licensing" contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

This licence is issued to:

SUEZ WATER & TREATMENT SOLUTIONS PTY LTD
LEVEL 3/3 RIDER BOULEVARD
RHODES NSW 2138

subject to the conditions which follow.

Environment Protection Licence

Licence - 20757



1 Administrative Conditions

A1 What the licence authorises and regulates

- A1.1 This licence regulates water pollution resulting from the activity/ies specified below carried out at the premises specified in A2.

<u>Fee Based Activity</u>	<u>Scale</u>
Miscellaneous licensed discharge to waters (at any time)	> 20.00-100.00 ML maximum annual volume of discharge authorised

A2 Premises or plant to which this licence applies

- A2.1 The licence applies to the following premises:

<u>Premises Details</u>
<p>INDUSTRIAL WATER SCHEME - ADVANCED WATER TREATMENT PLANT</p> <p>15 - 21 CHANNEL ROAD</p> <p>MAYFIELD WEST</p> <p>NSW 2304</p>
<p>THE PREMISES INCLUDES THE ADVANCED WATER TREATMENT PLANT AND PIPEWORK TO THE SHORTLAND DECHLORINATION BUILDING AND BRINE PIPELINE AS SHOWN IN PREMISES MAP TITLED 'MAYFIELD WEST AWTP EPL PREMISES PLAN' DATED 11/08/2016 SAVED AT DOC16/404003.</p>

A3 Information supplied to the EPA

- A3.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:

- a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
- b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

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2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

P1.1 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.

P1.2 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1		Discharge to waters	At Shortland WWTW dechlorination building, 270m upstream of the outfall diffuser and labelled as 'Discharge point 1' on map titled Kooragang Recycled Water Scheme Environmental Discharge Points, dated 19/01/2016 - saved at DOC16/108188-01
2	Discharge quality monitoring Total volume monitoring		Monitoring point at dechlorination station at the Advanced Water Treatment Plant site prior to pipe to Shortland WWTW dechlorination building, as shown in map titled, Kooragang Recycled Water Scheme Environmental Discharge Points dated 19/01/2016.

3 Limit Conditions

L1 Pollution of waters

L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.

L2 Concentration limits

L2.1 For each monitoring/discharge point or utilisation area specified in the table below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.

L2.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the

Environment Protection Licence

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specified ranges.

L2.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the tables.

L2.4 Water and/or Land Concentration Limits

POINT 2

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
BOD	milligrams per litre		5		
Nitrogen (total)	milligrams per litre		10		
pH	pH				6.5-8.5
Phosphorus (total)	milligrams per litre		6		
Total suspended solids	milligrams per litre		15		

L3 Volume and mass limits

L3.1 For each discharge point or utilisation area specified below (by a point number), the volume/mass of:

- liquids discharged to water; or;
- solids or liquids applied to the area;

must not exceed the volume/mass limit specified for that discharge point or area.

Point	Unit of Measure	Volume/Mass Limit
2	kilolitres per day	12,800

L4 Waste

L4.1 The licensee may receive and/or transfer sewage and Group C waste generated outside the premises for treatment, processing or reprocessing at the premises. The licensee must take reasonable steps to ensure that sewage received at the premises has been lawfully discharged in accordance with a trade waste agreement or customer contract (as applicable) in force between the licensee and the generator of

Environment Protection Licence

Licence - 20757



the waste. The licensee must treat, process or reprocess the sewage and Group C waste in accordance with this licence prior to discharge from the premises.

L4.2 The licensee must not accept, treat or store biosolids at the premises.

L5 Potentially offensive odour

L5.1 No condition of this licence identifies a potentially offensive odour for the purposes of section 129 of the Protection of the Environment Operations Act 1997.

Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

4 Operating Conditions

O1 Activities must be carried out in a competent manner

O1.1 Licensed activities must be carried out in a competent manner.

This includes:

- a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
- b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

O2 Maintenance of plant and equipment

O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:

- a) must be maintained in a proper and efficient condition; and
- b) must be operated in a proper and efficient manner.

O3 Emergency response

O3.1 The licensee must maintain, and implement as necessary, a current emergency response plan for the premises. The licensee must keep the emergency response plan on the premises at all times. The emergency response plan must document systems and procedures to deal with all types of incidents (e.g. spills, explosions or fire) that may occur at the premises or that may be associated with activities that occur at the premises and which are likely to cause harm to the environment. If a current emergency response plan does not exist at the date on which this condition is attached to the licence, the licensee must develop an emergency response plan within three months of that date.

Environment Protection Licence

Licence - 20757



O4 Processes and management

- O4.1 All above ground tanks containing material that is likely to cause environmental harm must be bunded or have an alternative spill containment system in place.
- O4.2 Bunds must:
- a) have walls and floors constructed of impervious materials;
 - b) be of sufficient capacity to contain 110% of the volume of the tank (or 110% volume of the largest tank where a group of tanks are installed);
 - c) have floors graded to a collection sump; and
 - d) not have a drain valve incorporated in the bund structure,

or be constructed and operated in a manner that achieves the same environmental outcome.

O5 Waste management

- O5.1 The licensee must ensure that any liquid and/or non liquid waste generated and/or stored at the premises is assessed and classified in accordance with the EPA's Waste Classification Guidelines as in force from time to time.
- O5.2 The licensee must ensure that waste identified for recycling is stored separately from other waste.

5 Monitoring and Recording Conditions

M1 Monitoring records

- M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.
- M1.2 All records required to be kept by this licence must be:
- a) in a legible form, or in a form that can readily be reduced to a legible form;
 - b) kept for at least 4 years after the monitoring or event to which they relate took place; and
 - c) produced in a legible form to any authorised officer of the EPA who asks to see them.
- M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:
- a) the date(s) on which the sample was taken;
 - b) the time(s) at which the sample was collected;
 - c) the point at which the sample was taken; and
 - d) the name of the person who collected the sample.

M2 Requirement to monitor concentration of pollutants discharged

- M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified

Environment Protection Licence

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in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:

M2.2 Water and/ or Land Monitoring Requirements

POINT 2

Pollutant	Units of measure	Frequency	Sampling Method
BOD	milligrams per litre	Special Frequency 1	Grab sample
Cadmium (dissolved)	milligrams per litre	Special Frequency 1	Grab sample
Chloride (dissolved)	milligrams per litre	Special Frequency 1	Grab sample
Chromium (hexavalent)	milligrams per litre	Special Frequency 1	Grab sample
Copper (dissolved)	milligrams per litre	Special Frequency 1	Grab sample
Faecal Coliforms	colony forming units per 100 millilitres	Special Frequency 1	Grab sample
Lead (dissolved)	milligrams per litre	Special Frequency 1	Grab sample
Nickel (dissolved)	milligrams per litre	Special Frequency 1	Grab sample
Nitrogen (ammonia)	milligrams per litre	Special Frequency 1	Grab sample
Nitrogen (nitrate)	milligrams per litre	Special Frequency 1	Grab sample
Nitrogen (nitrite)	milligrams per litre	Special Frequency 1	Grab sample
pH	pH	Special Frequency 1	Grab sample
Phosphorus (total)	milligrams per litre	Special Frequency 1	Grab sample
Total suspended solids	milligrams per litre	Special Frequency 1	Grab sample
Zinc (dissolved)	milligrams per litre	Special Frequency 1	Grab sample

M2.3 For the purposes of the table in condition M2.2, Special Frequency 1 is defined as the collection of one sample at the commencement of discharge and one sample to be collected in every 24 hour period for discharge events that occur for durations of longer than 24 hours.

M3 Testing methods - concentration limits

M3.1 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.

M4 Recording of pollution complaints

M4.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.

Environment Protection Licence

Licence - 20757



M4.2 The record must include details of the following:

- a) the date and time of the complaint;
- b) the method by which the complaint was made;
- c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
- d) the nature of the complaint;
- e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
- f) if no action was taken by the licensee, the reasons why no action was taken.

M4.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M4.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M5 Telephone complaints line

M5.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

M5.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

M5.3 The preceding two conditions do not apply until two (2) weeks the date of the issue of this licence.

M5.4 The licensee must nominate to the EPA a single telephone number for the purpose of the EPA contacting the licensee to provide immediate assistance or response during emergencies or any other incidents at the premises. The telephone number must be current at all times.

The nomination must be provided to the EPA's Regional Manager - Hunter at PO Box 488G, Newcastle NSW 2300, or by email to hunter.region@epa.nsw.gov.au.

Note: This condition does not apply until two (2) weeks after the issuing the licence.

M6 Requirement to monitor volume or mass

M6.1 For each discharge point or utilisation area specified below, the licensee must monitor:

- a) the volume of liquids discharged to water or applied to the area;
 - b) the mass of solids applied to the area;
 - c) the mass of pollutants emitted to the air;
- at the frequency and using the method and units of measure, specified below.

POINT 2

Frequency	Unit of Measure	Sampling Method
Continuous	kilolitres per day	Flow meter and continuous logger

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6 Reporting Conditions

R1 Annual return documents

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:

1. a Statement of Compliance,
2. a Monitoring and Complaints Summary,
3. a Statement of Compliance - Licence Conditions,
4. a Statement of Compliance - Load based Fee,
5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
7. a Statement of Compliance - Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.

R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

R1.3 Where this licence is transferred from the licensee to a new licensee:

- a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and
- b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:

- a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
- b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').

R1.6 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.

R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and

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Complaints Summary must be signed by:

- a) the licence holder; or
- b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

R2 Notification of environmental harm

R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

R3 Written report

R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:

- a) where this licence applies to premises, an event has occurred at the premises; or
- b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.

R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.

R3.3 The request may require a report which includes any or all of the following information:

- a) the cause, time and duration of the event;
- b) the type, volume and concentration of every pollutant discharged as a result of the event;
- c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
- d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
- e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
- f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
- g) any other relevant matters.

R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

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7 General Conditions

G1 Copy of licence kept at the premises or plant

- G1.1 A copy of this licence must be kept at the premises to which the licence applies.
- G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.
- G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

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Dictionary

General Dictionary

3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
AM	Together with a number, means an ambient air monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
AMG	Australian Map Grid
anniversary date	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
BOD	Means biochemical oxygen demand
CEM	Together with a number, means a continuous emission monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
general solid waste (non-putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

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flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
general solid waste (putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
grab sample	Means a single sample taken at a point at a single time
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
licensee	Means the licence holder described at the front of this licence
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 months. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
special waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
TM	Together with a number, means a test method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .

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TSP	Means total suspended particles
TSS	Means total suspended solids
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non - putrescible), special waste or hazardous waste

Ms Rebecca Scrivener

Environment Protection Authority

(By Delegation)

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End Notes

- 2 Licence format updated on 02-May-2017
- 3 Licence transferred through application 1559183 approved on 28-Nov-2017 , which came into effect on 28-Nov-2017