Public Works
NSW Water Solutions

CONDOBOLIN SEWERAGE TREATMENT PLANT POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN

August 2022

LACHLAN SHIRE COUNCIL

LACHLAN SHIRE COUNCIL
Wiradjuri Country

A division of the Department of Finance & Services

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Foreword

The Pollution Incident Response Management Plan (PIRMP) for the Condobolin Sewerage Scheme is a document that has been developed to be used by Lachlan Shire Council in the operation and management of incidents at the Condobolin Sewage Treatment Plant (STP) and the sewerage collection system. The purpose of this plan is to ensure that, where possible, pollution incidents are avoided but if they do occur they are managed appropriately to minimise the effects on the environment and to human health.

This PIRMP addresses the requirements under the POELA Act 2011.

The objectives of the plan are to:

- communicate in a timely manner and with sufficient detail about a pollution incident to relevant authorities and people outside the facilities who may be affected by the impacts of the pollution incident
- minimise and control the risk of any pollution incident occurring at the facilities by requiring identification of risks and the development of planned actions to minimise and manage those risks ; and
- ensure that the plan is properly implemented by trained staff, identifying persons responsible for implementing it, and ensuring that the plan is regularly tested for accuracy, currency and suitability.

This management plan is to be continually updated and reviewed by Council's Manager Utilities, Lachlan Shire Council and Council's Work Health and Safety (WHS) committee.

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Introduction

The township of Condobolin is located 463 km due west of Sydney and 100 km west of Parkes at an elevation of approximately 220 m above sea level. Condobolin currently has a population of approximately 2850 people.

Condobolin is in the Lachlan Shire Local Government Area (LGA). Lachlan Shire Council owns and operates the Condobolin Sewerage Scheme that includes a Sewage Treatment Plant (STP) and the collection system servicing the town.

1.1 Sewage Treatment Plant and Collection System

The Condobolin STP comprises the following treatment/process units:

- Inlet dividing channel and screen
- Pasveer Channel (2000 EP)
- Lift pump station
- Trickling Filters (2000 EP)
- Sludge Lagoons
- Sludge supernatant lagoons
- Effluent maturation ponds (60 days ADWF)
- Golf club effluent reuse system

The Condobolin sewerage collection system comprises the following:

- Lachlan Street SPS [Primary Main SPS]
    - Boona Road SPS
    - SRA Cottage SPS
        - Caravan Park SPS 1
            - Caravan Park SPS 2
            - Pony Club SPS
        - League Ground SPS
        - Race Club SPS
        - SRA Amenities SPS
            - Soccer Club SPS
- Moulder Street SPS [Secondary Main SPS]
    - Officers Parade SPS
    - Gum Bend Lake SPS
- Gravity mains
- Rising mains

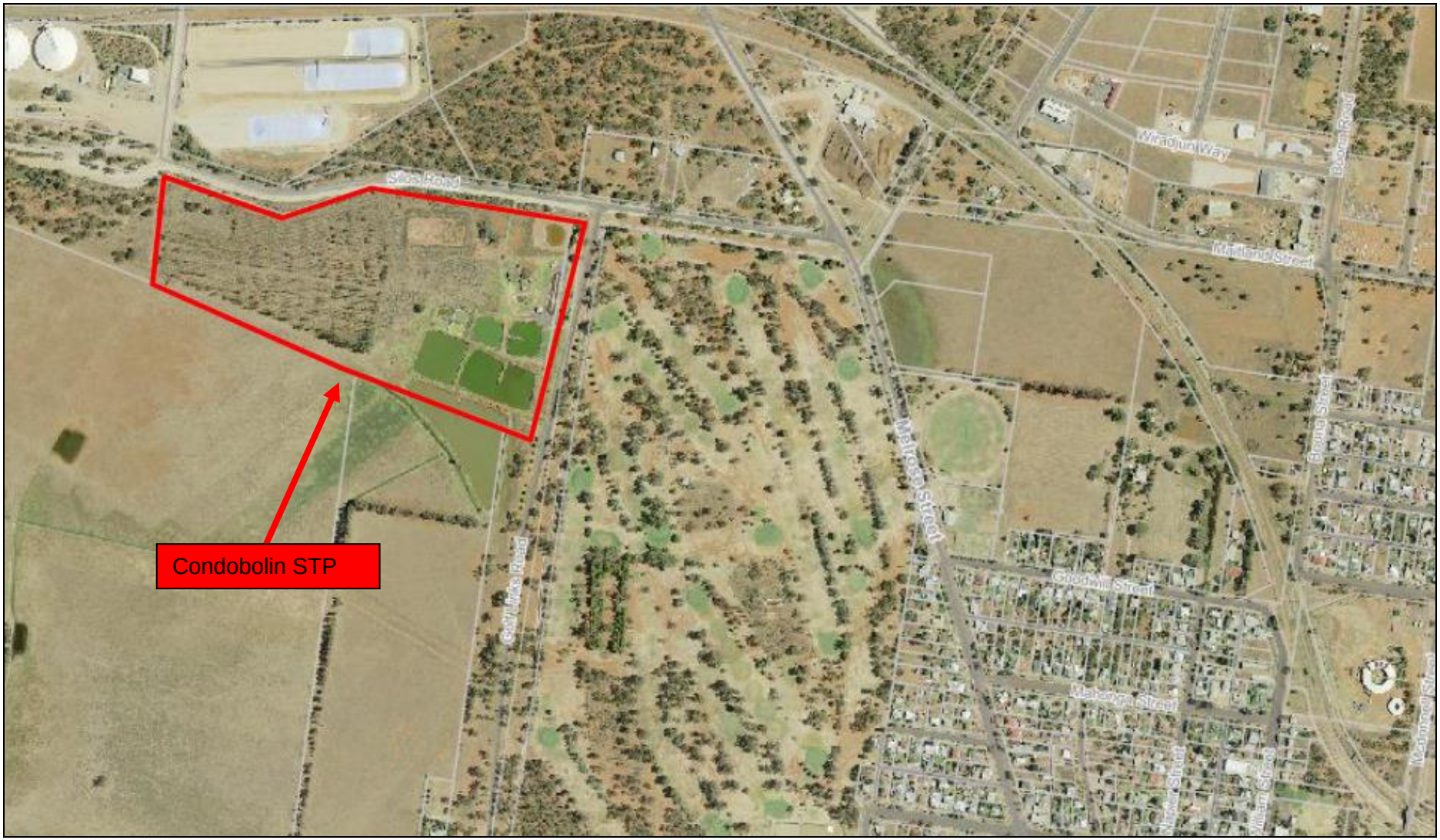
The STP and the collection system operates under an Environmental Protection Licence (EPL) 4480 as granted by the NSW Environment Protection Authority (EPA) that is renewed annually.

1.2 Scope of the PIRMP

The scope of the plan is as follows:

- Description and likelihood of hazards
- Pre-emptive actions to be taken
- Inventory of pollutants
- Safety equipment
- Contact details
- Communicating with neighbours and the local community
- Minimising harm to persons on the premises
- Maps showing the location of scheme components
- Actions to be taken during or immediately after a pollution incident
- Staff training

Figure 1.1: Condobolin STP - Location of STP



Context of the Assessment

1.3 Background

A new provision requirement under the *Protection of the Environment Legislation Amendment Act* (POELA) 2011 is the requirement to prepare, keep, test and implement a pollution incident response management plan for each environmental protection licence that Council holds.

The objectives of these plans are to:

- communicate in a timely manner and with sufficient detail about a pollution incident to relevant authorities and people outside the facilities who may be affected by the impacts of the pollution incident;
- minimise and control the risk of any pollution incident occurring at the facilities by requiring identification of risks and the development of planned actions to minimise and manage those risks; and
- ensure that the plan is properly implemented by trained staff, identifying persons responsible for implementing it, and ensuring that the plan is regularly tested for accuracy, currency and suitability.

The NSW EPA defines a 'pollution incident' as follows;

> *"pollution incident* means an incident or set of circumstances during or as a consequence of which there is or is likely to be a leak, spill or other escape or deposit of a substance, as a result of which pollution has occurred, is occurring or is likely to occur. It includes an incident or set of circumstances in which a substance has been placed or disposed of on premises, but it does not include an incident or set of circumstances involving only the emission of any noise."

A pollution incident is required to be notified if there is a risk of 'material harm to the environment', which is defined in section 147 of the POEO Act as:

> (a) harm to the environment is material if:
>
> (i) it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial; or
>
> (ii) it results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding $10,000 (or such other amount as is prescribed by the regulations); and
>
> (b) loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment.

Industry is now required to report pollution incidents *immediately* to the EPA, NSW Health, Fire and Rescue NSW, WorkCover NSW and the local council. 'Immediately' has its ordinary dictionary meaning of promptly and without delay. These strengthened provisions will ensure that pollution incidents are reported directly to the relevant response agencies so they will have direct access to the information they need to manage and deal with the incident in as fast a time as is practical.

The NSW EPA requires a plan to be implemented for all existing licenses by the 1st of September 2012. Council holds the EPL 4480 for the Condobolin STP and its collection system.

1.4 Council Commitment

Lachlan Shire Council is committed to protecting the health of the public, the environment and its workers. This commitment has been formalised and is contained in Council's Management Plan and Budget 2011/12. Council's charter is shown below.

Council's Charter

The Local Government Act contains a Charter for Local Government which describes the approach to supplying services and activities. It charges local government with a number of responsibilities:

- to provide directly or on behalf of other levels of government, after due consultation, adequate, equitable and appropriate services and facilities for the community and to ensure that those services and facilities are managed efficiently and effectively
- to exercise community leadership
- to exercise its functions in a manner that is consistent with and actively promotes the principles of multiculturalism
- to promote and to provide and plan for the needs of children
- to properly manage, develop, protect, restore, enhance and conserve the environment of the area for which it is responsible, in a manner that is consistent with and promotes the principles of ecologically sustainable development
- to have regard to the long term and cumulative effects of its decisions
- to bear in mind that it is the custodian and trustee of public assets and to effectively account for and manage the assets for which it is responsible
- to engage in long-term strategic planning on behalf of the local community
- to exercise its functions in a manner that is consistent with and promotes social justice principles of equity, aces, participation and rights
- to facilitate the involvement of councillors, members of the public, users of facilities and services and council staff in the development, improvement and co-ordination of local government
- to raise funds for local purposes by the fair imposition of rates, charges and fees, by income earned from investments and, when appropriate, by borrowings and grants
- to keep the local community and the State government (and through it, the wider community) informed about its activities
- to ensure that, in the exercise of its regulatory functions, it acts consistently and without bias, particularly where an activity of the council is affected
- to be a responsible employer.

Council also has a on its web site their Occupation Health and Safety Policy – Policy – Resolution 599/10 - 22 September, 2010.

1.5 Regulatory and Formal Requirements

The regulatory and formal requirements applicable to the Condobolin Sewerage Scheme are shown in **Table 2.1**. These legislative, licensing requirements and guidelines are to be met to ensure the protection of public health and environmental health and to satisfy OH&S requirements. This management plan addresses how these requirements are to be met.

Table 2.1: Formal and Regulatory Requirements

Parameter	Instrument	Administered by
Overall Scheme Operation	Water Management Act 2000	NSW EPA
	Local Government Act 1993	NSW Office of Water
Public Health	Environment Operations Act 2011	NSW EPA NSW Health
Environmental Health	Section 55 Protection of the Environment Operations Act 2011 Environment Protection Licence 430	NSW EPA
WHS	*Work Health and Safety Act 2011* (WHS Act) and the WHS Regulations.	WorkCover Authority of NSW
Plumbing	All pipe work is to be installed in accordance with AS/NZS 3500 (Plumbing and Drainage Code: Standards Australia 1996-2003)	Lachlan Shire Council

The Manager of Utilities, at Lachlan Shire Council, is responsible for the review and evaluation of this plan and for meeting the regulatory and other requirements.

Assessment of the Risks

1.6 Risk Assessment – Condobolin STP and Collection System

A risk assessment was undertaken at Condobolin on the 13th of August 2012. The objective of the assessment was to:

- identify the hazards,
- identify hazardous events
- assessment of the likelihood of the event and other factors that may increase the likelihood
- assess the impacts
- assess the overall risk.

Shown in **Table 3.1**, **Table 3.2** and **Table 3.3** are the criteria used in the assessment.

As can be seen in **Table 3.4**, the residual risks are all low with just a few being considered as moderate.

Table 3.1: Definitions of Likelihood

Level	Likelihood	Description
A	Almost certain	- The event is expected to occur often (several times per year)
B	Likely	- The event will probably occur often (once every 1-3 years)
C	Possible	- The event might occur at some time (once every 3 to 10 years)
D	Unlikely	- The event could occur at some time (once every 20 years)
E	Rare	- The event may occur only in exceptional circumstances (once every 100 years)

Table 3.2: Definitions of Impact

Level	Classification	Example Definition Human Health	Example Definition Environment
1	Insignificant	No detectable human health illness.	No detectable environmental impact.
2	Minor	Short term, low level illness affecting a small population	Localised, short term environmental impact.
3	Moderate	Short term, low level illness affecting a large population	Localised, medium term environmental impact.
4	Major	Severe illness or death affecting a small population	Severe long term environmental impact.
5	Catastrophic	Severe illness or death affecting a large population	Severe permanent environmental impact.

Table 3.3: Risk Analysis Criteria

Likelihood	Impacts				
	Insignificant **1**	Minor 2	Moderate **3**	Major **4**	Catastrophic **5**
Almost Certain – **A**	Low	Moderate	High	Very High	Very High
Likely – **B**	Low	Moderate	High	Very High	Very High
Possible – **C**	Low	Moderate	Moderate	High	Very High
Unlikely – **D**	Low	Low	Moderate	High	Very High
Rare – **E**	Low	Low	Low	Moderate	High

Table 3.4: Risk Register

	Contaminant	Description of the Hazardous Event	Human Health (Public Health)	Environmental Risks	Likelihood Almost certain - several times per year Likely - once every 1 - 3 years Moderate - once every 3 - 10 years Unlikely - once every 20 years Rare - once every 100 years	Events or Circumstances that would acerbate or increase likelihood	Impact Insignificant Minor Moderate Major Catastrophic	Assessed Risk Low Moderate High Very High	Pre-emptive Actions (Existing Controls) In addition to operator training, SWMS
	STP								
1	**Effluent**	**Septage upsets process**			Rare		Minor	Low	Not currently taken
2	**Effluent**	**Stormwater inflow to STP causing overflows**			Unlikely	Wet weather event	Minor	Low	Plant designed to handle PWWF Storm inflows are low (good reticulation system) Telemetry system. Operator attendance within 1 hour
3	**Effluent**	**Poor quality - sabotage of plant**			Rare		Minor	Low	Locked gates. Locked building. Telemetry system
4	**Effluent**	**Poor quality - extended power failure**			Moderate	Wet weather event	Minor	Low	Reliable power system. Long outages would be planned. Telemetry system. Pasveer will provide some treatment as will the ponds.

5	**Effluent**	**Poor quality - equipment failure**			Moderate		Minor	Low	Standby capacity (several aerators and duty/standby lift pumps) SPS storage if required. Telemetry system. Operator attendance in less than 1 hour.
6	**Effluent**	**Overflow from drying lagoons**			Likely	Wet weather event	Minor	Low	Operator attends site every day
7	**Effluent**	**Overflow from effluent ponds**			Unlikely	Wet weather event	Minor	Low	Above flood level. Low PWWF/ADWF ratio
8	**Effluent**	**Embankment failure - overflow from effluent ponds**			Unlikely	Wet weather	Minor	Low	Embankments maintained

1.7 Condobolin Sewerage Collection System Risk Assessment

A separate overflow risk assessment has been undertaken for the reticulation system. This report is included in Appendix F.

Shown in **Table 3.5** is the summary of the risk assessment conducted as part of this PIRMP. As can be seen in the register of risk in respect to the collection system, the residual risks nearly are all low with just a few being considered as moderate.

Table 3.5: Risk Register

	Contaminant	Description of the Hazardous Event	Human Health (Public Health)	Environmental Risks	Likelihood Almost certain - several times per year Likely - once every 1 - 3 years Moderate - once every 3 - 10 years Unlikely - once every 20 years Rare - once every 100 years	Events or Circumstances that would acerbate or increase likelihood	Impact Insignificant Minor Moderate Major Catastrophic	Assessed Risk Low Moderate High Very High	Pre-emptive Actions (Existing Controls) In addition to operator training, SWMS
SPS (Moulder Street SPS, SRA Cottage SPS, SRA Amenities SPS, Caravan Park 1 and 2 SPS, Boona Road SPS)									
1	**Sewage**	**Overflow to water coarse - extended power failure**	?	?	Rare	Wet weather event	Insignificant	Low	Reliable power system. Long outages would be planned. 8 hours ADWF emergency storage. Operator response less than 1 hour.
2	**Sewage**	**Overflow to water course - extended power failure unplanned**	?	?	Rare	Wet weather event	Insignificant	Low	Reliable power system. 8 hours ADWF emergency storage. Operator response less than 1 hour.
3	**Sewage**	**Overflow to water course - pump failure**	?	?	Rare	Wet weather event	Insignificant	Low	Duty and standby pumps - pumps less than 3 years old or refurbished within the last 5 years. 8 hours ADWF emergency storage. Telemetry system. Operator response less than 1 hour.

4	**Sewage**	**Overflow to creek - electrical failure**			Rare	Wet weather event	Insignificant	Low	Telemetry system. Operator response less than 1 hour. 8 hours ADWF emergency storage.
5	**Sewage**	**Overflow to water course - flooding of SPS**			Rare	Wet weather event	Insignificant	Low	SPS above flood level or bunded. Telemetry system. Operator response less than 1 hour. 8 hours ADWF emergency storage.
6	**Sewage**	**Overflow to water course – car accident at SPS**			Rare	Wet weather event	Insignificant	Low	Telemetry system. Operator response less than 1 hour. 8 hours ADWF emergency storage.
SPS (Lachlan Street and Officers Parade)									
1	**Sewage**	**Overflow to water coarse - extended power failure**			Rare	Wet weather event	Minor	Low	Reliable power system. Long outages would be planned. 8 hours ADWF emergency storage. Operator response less than 1 hour.
2	**Sewage**	**Overflow to water course - extended power failure unplanned**			Rare	Wet weather event	Minor	Low	Reliable power system. 8 hours ADWF emergency storage. Operator response less than 1 hour.
3	**Sewage**	**Overflow to water course - pump failure**			Rare	Wet weather event	Minor	Low	Duty and standby pumps - pumps less than 3 years old or refurbished within the last 5 years. 8 hours ADWF emergency storage. Telemetry system. Operator response less than 1 hour.
4	**Sewage**	**Overflow to creek - electrical failure**			Rare	Wet weather	Minor	Low	Telemetry system.

						event			Operator response less than 1 hour. 8 hours ADWF emergency storage.
5	**Sewage**	**Overflow to water course - flooding of SPS**			Rare	Wet weather event	Minor	Low	SPS above flood level or bunded. Telemetry system. Operator response less than 1 hour. 8 hours ADWF emergency storage.
6	**Sewage**	**Overflow to water course – car accident at SPS**			Rare	Wet weather event	Minor	Low	Telemetry system. Operator response less than 1 hour. 8 hours ADWF emergency storage.
Gravity System									
1	**Sewage**	**Overflow due to blockage**			Unlikely	Wet weather event	Minor	Low	Operator response less than 1 hour from notification. Small volumes. No history of overflows. Preventative water jetting (every 3 years).
2	**Sewage**	**Discharge due to pipe break – ground movement/ earthquake**			Rare	Wet weather event	Major	Moderate	In-store emergency pump for bypass/ diversion.
3	**Sewage**	**Discharge due to pipe break – excavation works**			Unlikely	Wet weather event	Moderate	Moderate	Dial before you dig. Maintain up-to-date plan records. In-store emergency pump for bypass/ diversion.
Rising Mains									
1	**Sewage**	**Discharge due to pipe break – poor pipe condition or high pressure**			Unlikely	Wet weather event	Moderate	Moderate	Flow/pump monitoring. Telemetry system.

2	**Sewage**	**Discharge due to pipe break – ground movement/ earthquake**			Rare	Wet weather event	Major	Moderate	Flow/pump monitoring. Telemetry system.
3	**Sewage**	**Discharge due to pipe break – excavation works**			Unlikely	Wet weather event	Moderate	Moderate	Flow/pump monitoring. Telemetry system. Dial before you dig. Maintain up-to-date plan records.

Preventative Actions to be Undertaken

The preventative actions or measures to manage and minimise the risk to human health and the environment involve a multiple barrier approach. The multiple barriers, in order of preference, are as follows;

- Elimination
- Substitution
- Isolation
- Engineering means
- Administrative
- Personal Protection Equipment

These are readily broken down to the following

- Appropriate design of the facilities
- Appropriate operation and monitoring and
- Appropriate education and training

The identified current preventative actions are shown in Table 4.1. Photos of the existing measures are shown in Figures 4.1 – 4.6.

The additional preventative actions that have been identified are as follows:

A listing of the telemetry alarms provided at each site is shown in Appendix G.

1.8 Collection System

Collection system overflows can principally occur from five main causes. They are:

- Power/mechanical failure at pumping stations
- Reticulation system blockage/leakage
- Rising main breakage (leaks or major failure),
- Breakdown of pump units, and
- Excessive inflows.

1.8.1 Gravity Sewer System

Overall the Condobolin reticulation system is in good condition, has sufficient capacity and the number of overflows or incidents per kilometre of pipeline per year would be considered low by industry standards. Council uses water jetting equipment to clear blockages. Blockages in reticulation mains occur infrequently. The main cause is tree root intrusions but can also occur due to foreign objects lodging in the pipelines.

As per the past records kept by Council, apart from minor seepages due to blockages in pipelines, no major overflow events have occurred in the reticulation system in the recent past

Unusual excessive inflows greater than the design peak wet weather flow (PWWF) may occur during extreme flood events if reticulation manholes become inundated and the inflow is greater than the pumping station capacity.

Other possibilities for sewer overflows include illegal connection of storm water pipes and low lying gullies or boundary traps.

The past records kept by Council do not indicate to any overflows due to wet weather in the recent past.

1.9 PUMPING STATIONS

The likelihood of overflows from SPSs can be minimised by the provision of the following;

- Adequate pumping capacity
- Reliable power supply
- Service response time to address abnormal operating conditions such as power failure, pump failure, etc, less than the detention time provided within the pumping station before overflow occurs
- Availability of standby pumps (pump failure) and/or portable generators (power supply/electrical failure)
- Implementation of effective emergency plan/operational procedures for attending to failure and breakdown within the system.

1.9.1 Adequate Pumping Capacity

All the SPSs within the Condobolin Sewerage Scheme have recently been upgraded and have sufficient pumping capacity for present and projected future requirements.

1.9.2 Reliable Power Supply

Council has reported that Condobolin has a relatively reliable power supply. Generally power outages in the area have been less than 4 hours in duration. While not common, power failures of extended duration are possible but are usually planned outages.

1.9.3 Provision of Emergency Storage

A sewerage system must have sufficient capacity to store sewage, which continues to flow from the catchment during extended mechanical breakdowns and electrical failures. Each of the Condobolin SPS has 8 hours of ADWF emergency storage.

1.9.4 Telemetry System

All the SPSs in the Condobolin Sewerage Scheme are monitored via a telemetry system. Instances of power outages, mechanical failure, and high level alarms are transmitted to the Operators for immediate attention.

1.9.5 Response Times to Abnormal Operating Conditions

Council has advised that the response time for Operator attendance to any abnormal operating condition would generally be less than one hour at all times.

1.9.6 Standby Pumps

All SPSs have duty and standby (100 % capacity) pumps installed.

Table 4.1: Preventative Measures at each Site

Site	Potential Hazards	Existing 'Preventative' Actions	Proposed New Measures
STP	**Septage upsets process**	Not currently taken	None required.
	Stormwater inflow to STP causing overflows	Plant designed to handle PWWF. Storm inflows are low (good reticulation system). Telemetry system. Operator attendance within 1 hour.	None required.
	Poor quality - sabotage of plant	Locked gates. Locked building. Telemetry system.	None required.
	Poor quality - extended power failure	Reliable power system. Long outages would be planned. Telemetry system. Pasveer will provide some treatment as will the ponds.	None required.
	Poor quality - equipment failure	Standby capacity (several aerators and duty/standby lift pumps). SPS storage if required. Telemetry system. Operator attendance in less than 1 hour.	None required.
	Overflow from drying lagoons	Operator attends site every day	A high level return line back to the sludge lagoons.
	Overflow from effluent ponds	Above flood level. Low PWWF/ADWF ratio.	None required.
	Embankment failure	Maintain embankments.	
SPS	**Overflow to water coarse - extended power failure**	Reliable power system. Long outages would be planned. 8 hours ADWF emergency storage. Operator response less than 1 hour.	Council is in the process of installing connection points to allow the connection of its diesel pump to all SPS. This pump can be used if prolonged power failure occurs or electrical failure of an SPS.
	Overflow to water course - extended power failure unplanned	Reliable power system. 8 hours ADWF emergency storage Operator response less than 1 hour	Council is in the process of installing connection points to allow the connection of its diesel pump to all SPS. This pump can be used if prolonged power failure occurs or

			electrical failure of an SPS.
	Overflow to water course - pump failure	Duty and standby pumps - pumps less than 3 years old. 8 hours ADWF emergency storage. Telemetry system. Operator response less than 1 hour.	None required.
	Overflow to creek - electrical failure	Telemetry system. Operator response less than 1 hour. 8 hours ADWF emergency storage.	None required.
	Overflow to water course - flooding of SPS	SPS above flood level or bunded. Telemetry system. Operator response less than 1 hour. 8 hours ADWF emergency storage.	None required.

Figure 4.1 - Photo STP Maturation Ponds

Figure 4.2 - Photo STP Supernatant Drying Ponds

Figure 4.3 - Photo Moulder Street SPS

Figure 4.4 - Photo Officers Parade SPS

Figure 4.5 - Photo Lachlan Street SPS

Figure 4.6 - Photo SRA Cottage SPS

Figure 4.7 - Photo SRA (Soccer PS) Amenities Building SPS

Figure 4.8 - Photo Boona Road SPS

Inventory of Pollutants and Treatment Chemicals

1.10 Inventory of Treatment Chemicals

The stored chemicals onsite are as listed in Table 5.1.

1.11 Chemical Usage

The chemicals used in the treatment of the water is as follows:

- Hydrated Lime

MSDS are included in Appendix B.

1.12 Other Pollutants – Sewage and Effluent

The other potential pollutants are:

- Sewage – within the collection system
- Effluent – produced at the STP.
- Sludge (including WAS and stabilised and/or dewatered biosolids) produced at the STP
- Supernatant – produced at the STP
- Screenings – produced at the STP inlet works
- Grit – produced at the STP inlet works.

Table 5.1: Pollutant List – Chemicals

Chemical	Location	Chemical Name and Formula	Typical Analysis	Use	Amount Stored
Hydrated Lime	Condobolin Depot	Calcium hydroxide	As per MSDS	pH correction	4 x 25 kg bags

Table 5.2: Pollutant List – Sewage And Effluent

Parameter	Raw Sewage	Effluent
Biochemical oxygen demand (BOD_5)	270 mg/L	<20 mg/L
Suspended solids (SS)	270 mg/L	<30 mg/L
Total nitrogen (TN)	53 mg/L	<40 mg/L
Total phosphorus (TP)	11 mg/L	<10
Oil and grease (O&G)	<10 mg/L	<10 mg/L
Faecal coliforms, FC	1,000,000 cfu/100 mL	<1500 cfu/100 mL
pH	6.5 - 8.5	6.5 - 8.5

Safety Equipment

Safety equipment and other devices that are provided onsite will minimise the risks to human health or the environment and contain or control a pollution incident. These will include any PPE, MSDS sheets, monitoring devices and spill containment facilities/equipment.

1.13 List of PPE Equipment Onsite

The following PPE safety equipment is provided onsite:

Table 6.1: PPE List

Personal Protective Equipment	Location	Location
Protective gloves	STP amenities room	Operators Truck
Dust mask	STP amenities room	Operators Truck
Safety glasses	STP amenities room	Operators Truck
Safety apron	STP amenities room	Operators Truck

1.14 List of Monitoring Devices

The following monitoring devices are present onsite:

Table 6.2: List Of Monitoring Devices

System	Monitoring Devices
STP	Eff. Decanter Failed Alarm Intrusion Alarm Rotor Number 1 Failed Alarm Rotor Number 2 Failed Alarm Rotor Number 3 Failed Alarm Sludge Pump Failed Alarm Telemetry 240V Fail Alarm Telemetry Battery Low Alarm Effluent Pump 1 Fail Alarm Effluent Pump 2 Fail Alarm Effluent Pump 3 Fail Alarm Intrusion Alarm Phase Fail Alarm Sludge Pump Failed Alarm Sump Pump Failed Alarm Telemetry 240V Fail Alarm Telemetry Battery Low Alarm
TYPICAL SPS	Intrusion Alarm Phase Fail Alarm Pump Number 1 Failed Alarm Pump Number 2 Failed Alarm Wet Well High Level Alarm

A listing of the telemetry alarms provided at each site is shown in Appendix G.

Roles, Responsibilities and Contact Details

1.15 Stakeholder Responsibilities and Engagement

Lachlan Shire Council has committed to operating its STP, collection and transport system in a responsible manner. Effective stakeholder engagement is necessary to fulfil this commitment. **Table 7.1** presents the stakeholders involved in the operation of the system, sets out their roles, the communication expected to occur to achieve safe operation of the plant. Further information on the operation of the system and communication protocols is addressed later in this plan.

Table 7.1: Stakeholder Responsibilities and Engagement

Stakeholder	Responsibility	Communicates with	Reason
Lachlan Shire Council Director of Infrastructure Services	Overall scheme operation/ responsibility	Manager Utilities	Management of operations staff
		NSW Health	Health advice, reporting incidents
		NSW EPA	Reporting on Licence compliance, reporting incidents
		Community of Condobolin	Advice where required during incidents
		WorkCover	Reporting of injuries and accidents where required.
Manager Utilities	Management of scheme operation and maintenance, emergency response	Council operators and Director of Infrastructure Services	Management of operations staff, reporting issues regarding operation, maintenance and compliance to Council, resolving site issues,
	Construction works near water pipelines	Construction companies	Council approval needed for any excavation in road reserves to minimise risks to pipelines.
Council STP Operators and W&S crews	Day to day operation of STP and transport system, response to emergencies	Manager of Utilities	Communicates issues regarding operation, maintenance and compliance
Police /Fire brigade/HAZMAT/ Ambulance/ SES	Response to emergencies	Manager of Utilities and Director of Infrastructure Services	Response to spills, injuries, accidents

1.16 Council Procedures for Contacting Staff to Respond to a Possible Incident

During normal office hours – 8.30am to 4.30pm Monday to Friday

Residents contact the Lachlan Shire Council Office on 02 6895 1900. The Customer Service Officers collect the details of the incident (including contact details of the person making the report) and immediately notify the relevant officers on their mobile telephone. For Condobolin following hierarchy is followed for notification.

Sewer Operator – Plumbing Officer – Water Operator – Overseer Condobolin – Engineer Water and Sewer - Manager Utilities - Director Infrastructure Services.

The Customer Service Officers call those on the list until an operator answers and takes the incident details. The Operator then responds immediately to the incident.

After hours – 4.30pm to 8.30am weekdays and all day Saturday and Sunday

Residents contact the Lachlan Shire Council Office on 02 6895 1900, they are referred to the On Call Overseer on 0428 954 445. The On Call Overseer collects the details of the incident (including contact details of the person making the report) and immediately notify the relevant officers on their mobile telephone. For Condobolin following hierarchy is followed for notification.

Sewer Operator – Plumbing Officer – Water Operator – Overseer Condobolin – Engineer Water and Sewer - Manager Utilities - Director Infrastructure Services.

The On Call Overseer call those on the list until an operator answers and takes the incident details. The Operator then responds immediately to the incident.

1.17 List of Contact Details

The contact details of the stakeholders are listed below in Table 7.2.

Table 7.2: Stakeholder Contact Details

Name	Position and Organisation	Phone	Email
Lachlan Shire Council	After Hours Officer	0428 954 445	
	Greg Tory General Manager	(02) 6895 1900 0427 073 770	greg.tory@lachlan.nsw.gov.au
	Adrian Milne Director of Infrastructure Services	(02) 6895 1900 0428 431 035	adrian.milne@lachlan.nsw.gov.au
	Shaula Siregar Manager Utilities	(02) 6895 1900 0447 732 264	shaula.siregar@lachlan.nsw.gov.au
	Jennifer Harris Engineer - Utilities	(02) 6895 1900 0439 687 086	jennifer.harris@lachlan.nsw.gov.au
Environment Protection Authority	EPA Pollution Line	**131 555**	
	North West - Dubbo	(02) 6883 5300 Option 3	
NSW Public Health Unit	Bathurst Office	(02) 6330 5880	
	On Call Public Health Officer	0428 400 526	
DPIE Water	Brendan Miller	0437 426 482	brendan.miller@dpie.nsw.gov.au
	Joe Fuller	0428 443 790	joe.fuller@dpie.nsw.gov.au
Emergency Services	Police Ambulance Fire Brigade Rural Fire Service State Emergency Service HAZMAT	**000**	
Poisons Information Line		13 11 26	
State Emergency Service	NSW State Headquarters	13 25 00	
Local Emergency Management Committee	Lachlan Shire LEMO Adrian Milne	(02) 6895 1900 0428 431 035	

Communicating with Neighbours and the Community

To determine the appropriate communication strategy for an incident the incident needs to be categorised. Once categorised the agreed communication strategy can be deployed.

1.18 Incident Classification

- **Minor Risk Incident**: managed by routine procedures/work practices.
    - Incident affects small area only AND
    - Incident is easy to clean up without additional assistance AND
    - There is no risk of material harm to humans or the environment
- **Moderate Risk Incident:** further investigation may be required and assessment of management options; in the short term, operations and maintenance adjusted to reduce the consequences, likelihood and exposure.
    - Incident affects more than one property OR
    - There is a risk of pollution or material harm to the environment BUT
    - Clean up can be completed without assistance AND
    - There is no danger to humans
- **Major Risk Incident:** further detailed investigation and assessment of management options is required; immediate review and adjust operations and maintenance to reduce the consequences, likelihood and exposure; clean-up and notification procedures become high priority.
    - Potential or actual harm to humans and the environment AND/OR
    - Assistance is required with clean-up from other agencies

The following examples are shown;

- Minor Risk Incidents – incidents with a low risk to health and the environment such as;
    - Reticulation system blockages
    - Short term power failure or electrical failure
    - Minor spills to the ground
- Moderate Risk Incident - an incident with a medium risk to health and the environment such as;
    - Major spills to the ground and or to a sensitive environment
    - Sewage spills to a waterway
    - Extended power failure
- Major Risk Incident - an incident with a high risk to health and the environment such as;
    - Major sewage spill to a waterway
    - Extended power failure wet weather
    - Earthquake or structural collapse causing significant damage

1.19 Notification Process

The following incident notification process will be undertaken for the identified incident levels;

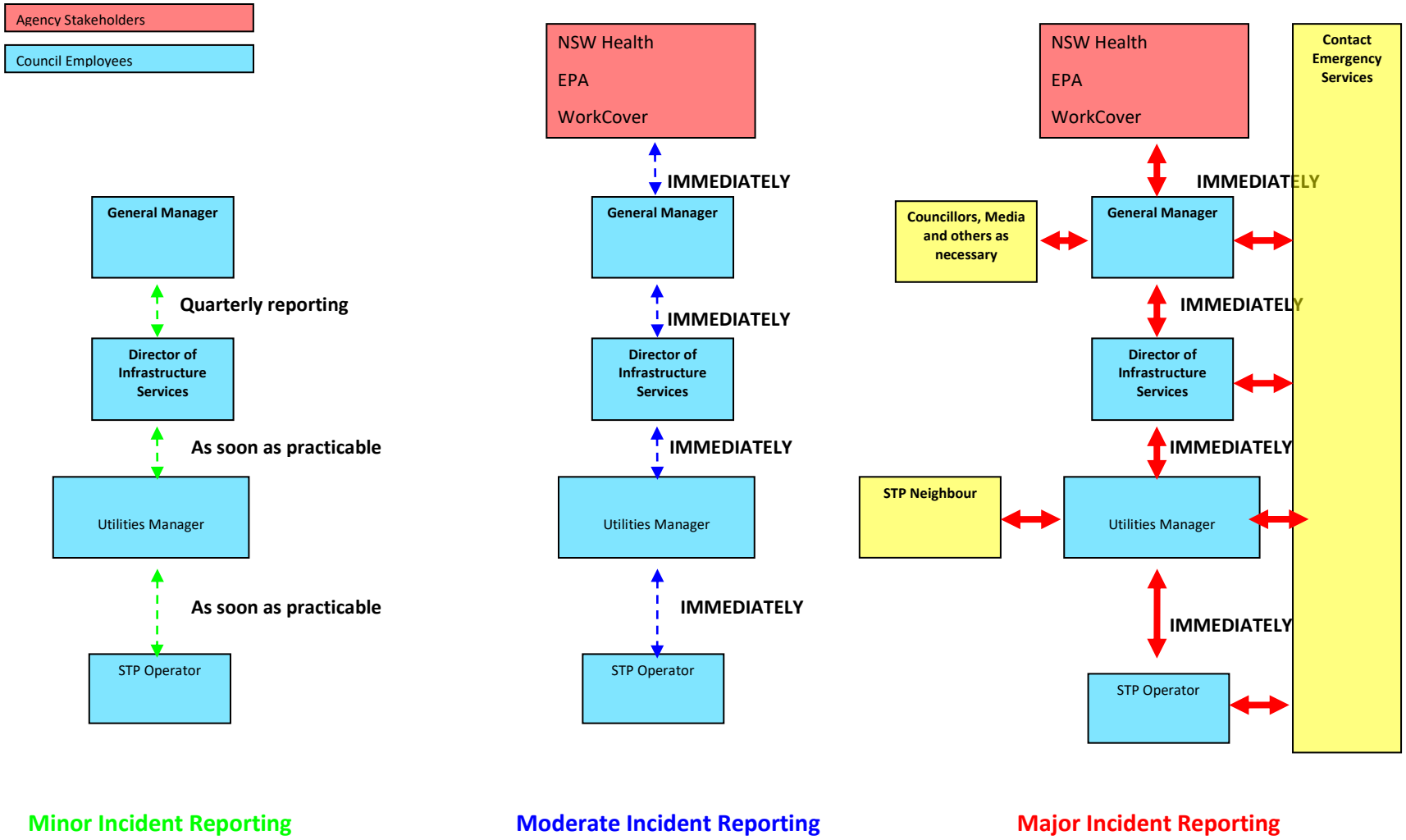
- **Minor Risk Incident**
    - The STP operator will report MINOR incidents to the Manager Utilities - within 24 hours of the minor incident occurring.
    - The Manager Utilities will record MINOR incidences in the PIMRP.
- **Moderate Risk Incident – NOTIFIABLE**
    - The STP operator will report Medium Incidents to the Manager of Utilities – **IMMEDIATELY**
    - The Manager of Utilities will report Medium Incidents to the Director of Infrastructure Services - **IMMEDIATELY**
    - The Director of Infrastructure Services will report MODERATE Risk SIGNIFICANT incidences IMMEDIATELY to the EPA, General Manager, NSW HEALTH and WorkCover if required.
- **Major Risk Incident - NOTIFIABLE**
    - The STP operator will report Medium Incidents to the Manager of Utilities, HAZMAT and Emergency Services as required – **IMMEDIATELY**
    - The STP operator will communicate with the neighbours to the plant– **IMMEDIATELY**
    - The Manager of Utilities will report High Risk Incidents to the Director of Infrastructure Services - **IMMEDIATELY**
    - The Director of Infrastructure Services will report MAJOR Risk SIGNIFICANT incidences **IMMEDIATELY** to the EPA, General Manager, NSW HEALTH and WorkCover if required.

This is shown schematically in ***Figure 8.1***.

This procedure will form part of the operator, contractor and user training and awareness.

Incident reporting includes communicating the incident and documenting the incident.

Figure 8.1 Incident Communication Protocols Condobolin STP



1.20 Workplace Incidents

The following incidents and injuries must be reported to WorkCover:

- Notifiable incidents involving a fatality or a serious injury or illness
- Notifiable incidents involving a fatality or serious injury or illness to other people at your workplace
- Notifiable incidents that present a serious risk to health and safety at your workplace (dangerous incidents)
- Other incidents involving an injury or illness where workers compensation is payable

1.21 Investigation of incidents and emergencies

Following any incident or emergency situation, an investigation will be undertaken and all involved staff should be debriefed, to discuss performance and address any issues or concerns.

The investigation will consider factors such as:

- What was the initiating cause of the problem?
- How was the problem first identified or recognised?
- What were the most critical actions required?
- What communication problems arose and how were they addressed?
- What were the immediate and longer term consequences?
- How well did the protocol function?

Minimising Harm to Persons on the Premises

1.22 Attendance Register

An attendance register is in place at the STP. All visitors are signed in and out of the site.

1.23 Site Induction

Visitors are inducted to the site by the STP operator.

1.24 Evacuation Procedure

Go to the muster location.

1.25 Muster Location

The muster location is at the front gate to the site.

Maps

Figure 10.1 - STP Aerial Photo

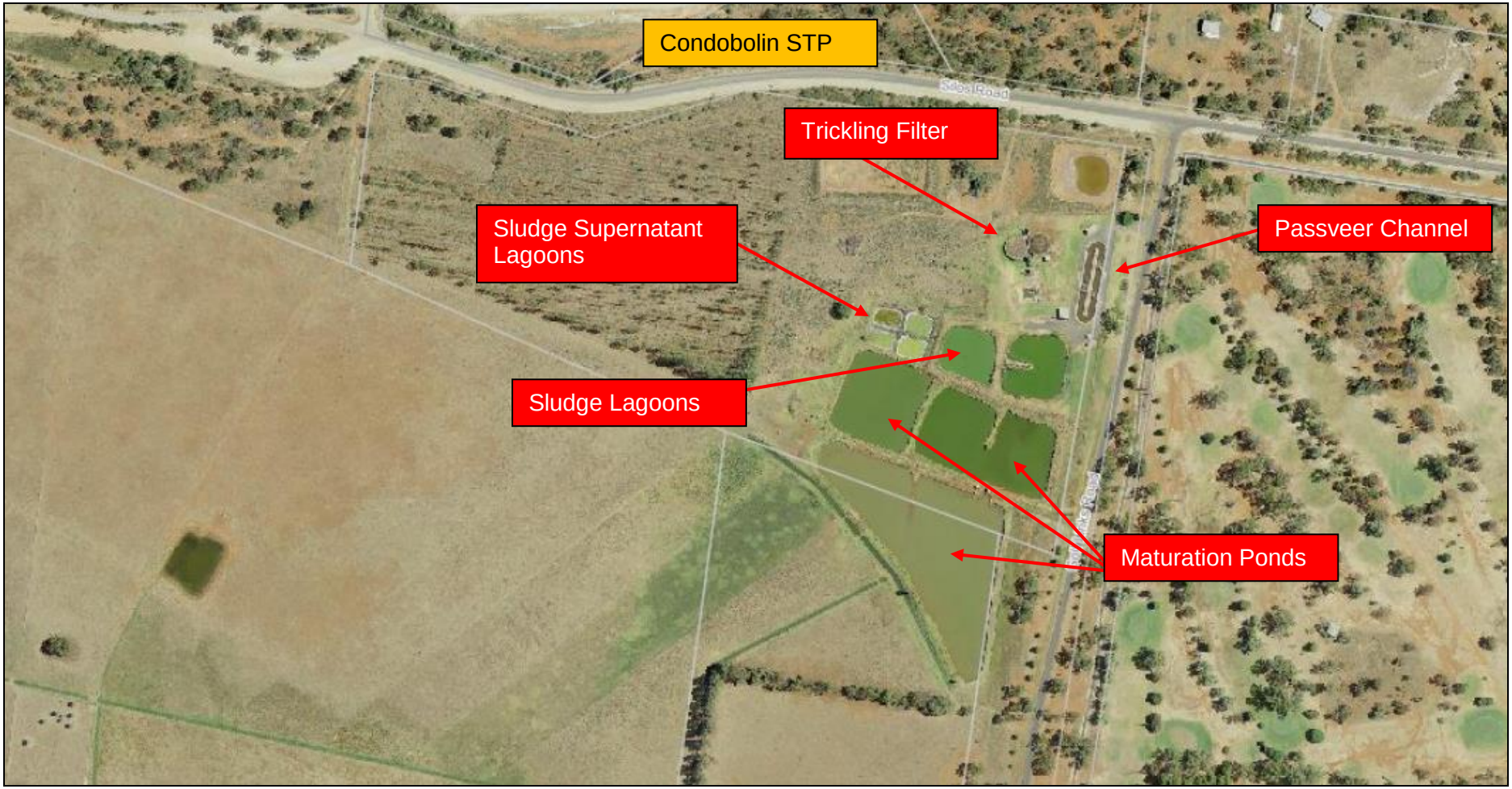


Figure 10.2 - Aerial Photo Moulder Street SPS

Figure 10.3 - Aerial Photo Officers Parade SPS

Figure 10.4 - Aerial Photo Lachlan Street SPS

Figure 10.5 - Aerial Photo SRA Cottage SPS and Substations

Figure 10.6 - Aerial Photo Caravan Park SPS and Substations

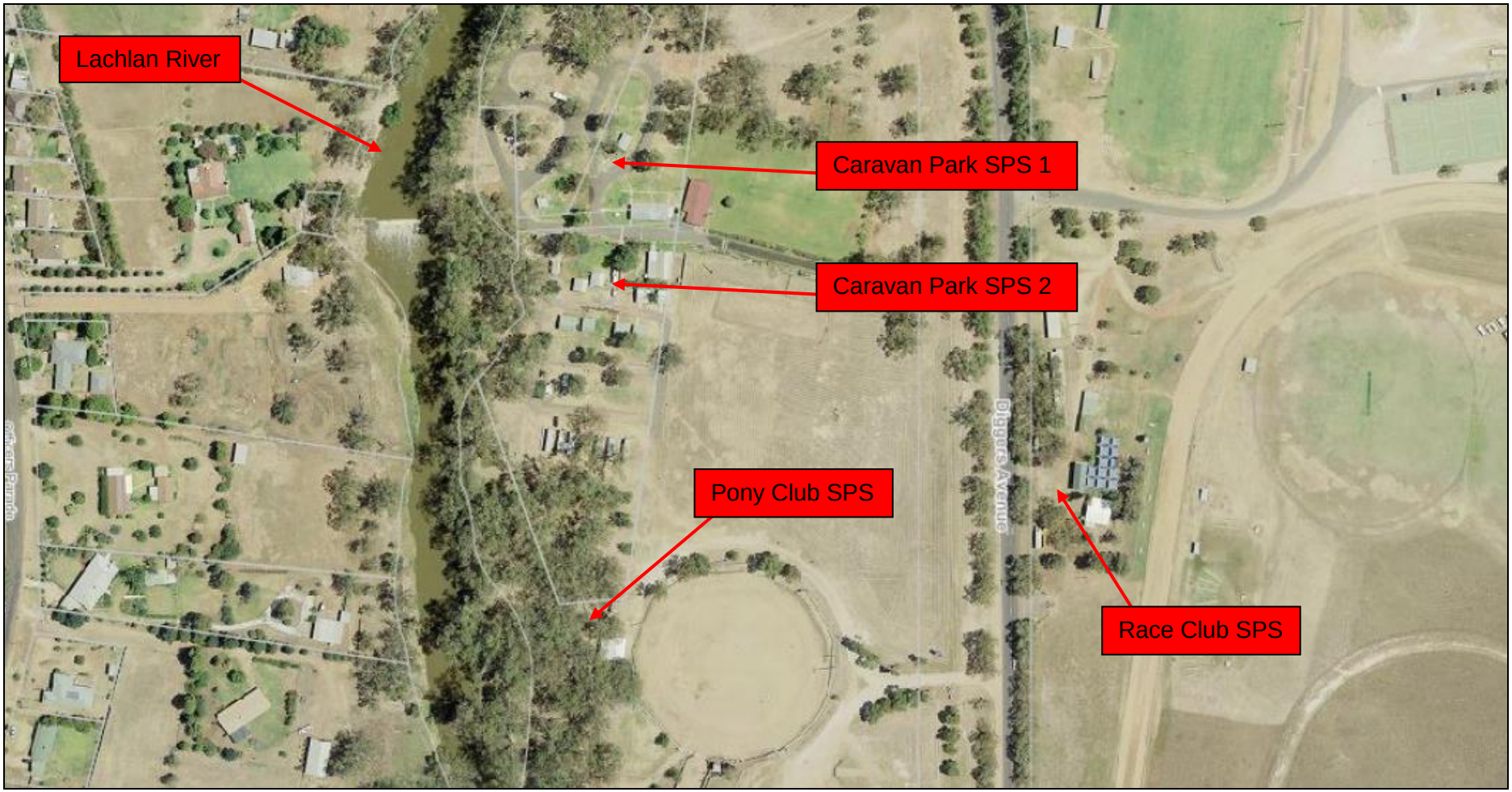


Figure 10.7 - Aerial Photo Boona Road SPS

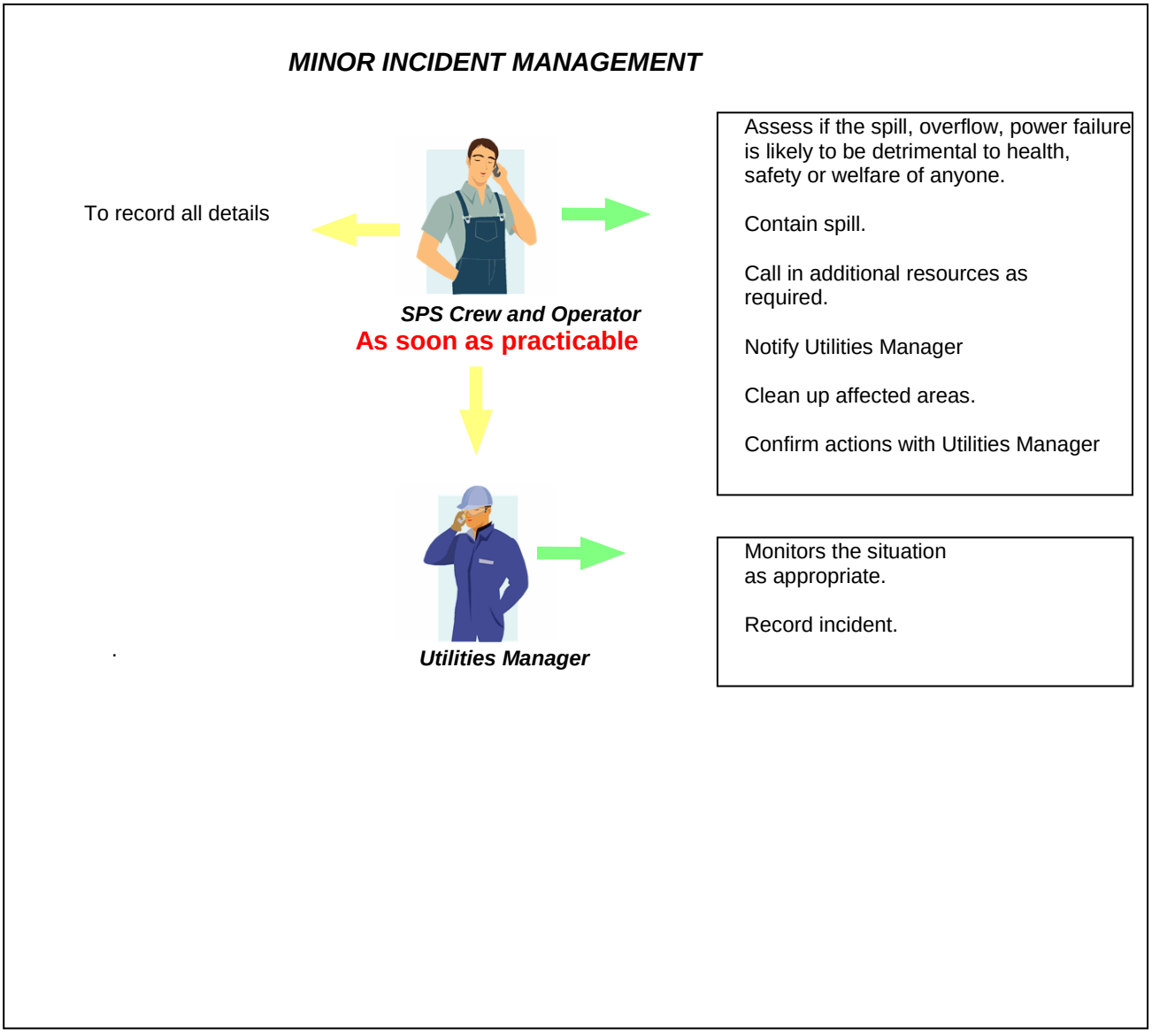
Figure 10.8 - Aerial Photo Gum Bend Lake SPS

Actions to be Undertaken During or Immediately After a Pollution Incident

1.26 Minor Incident Action Plan

The action plan for the following minor incidents is shown in Figure 11.1:

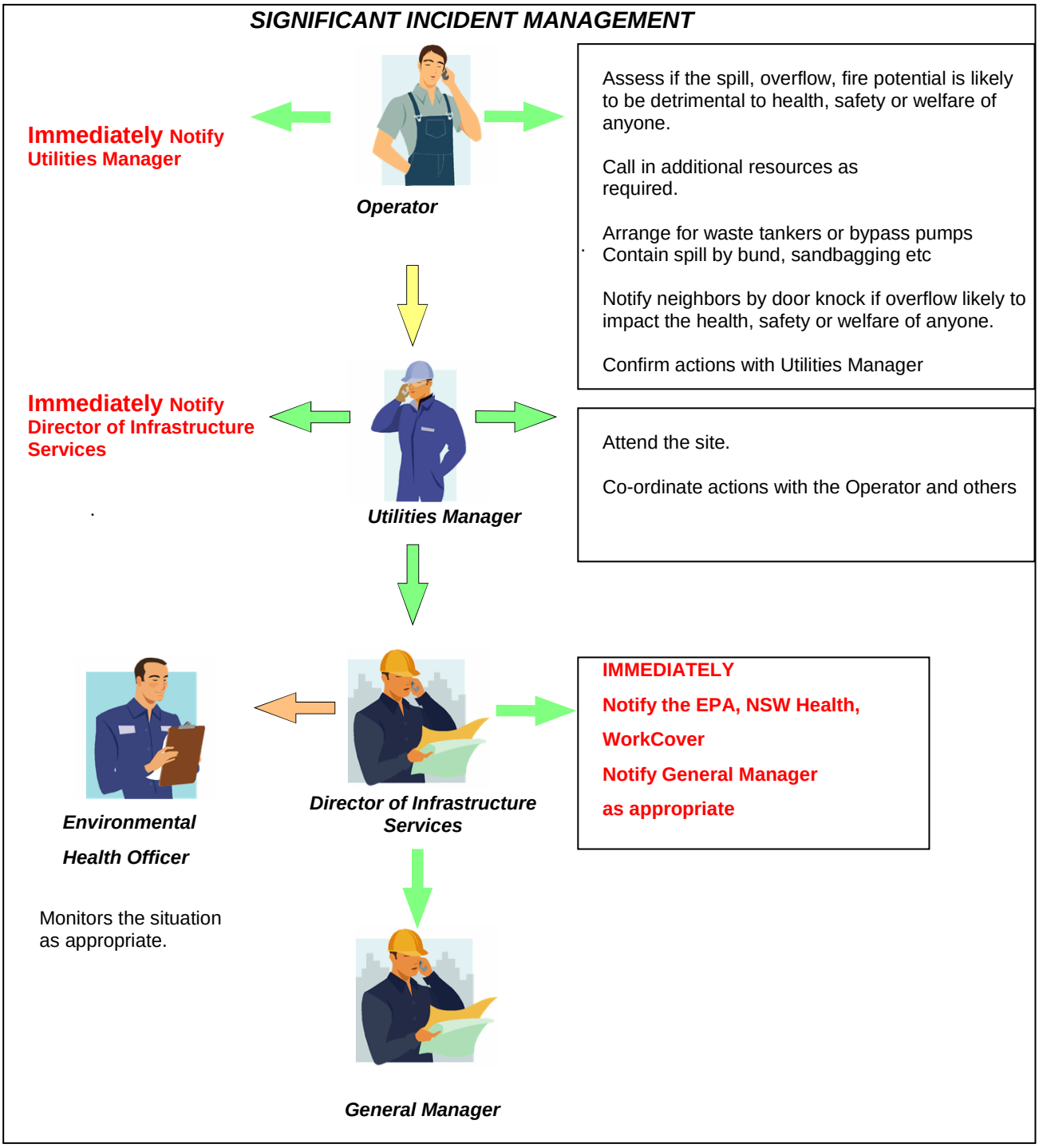
Figure 11.1 - Minor Incident Action Plan



1.27 Significant Incident Action Plan

The action plan for the following significant incidents is shown in Figure 11.2:

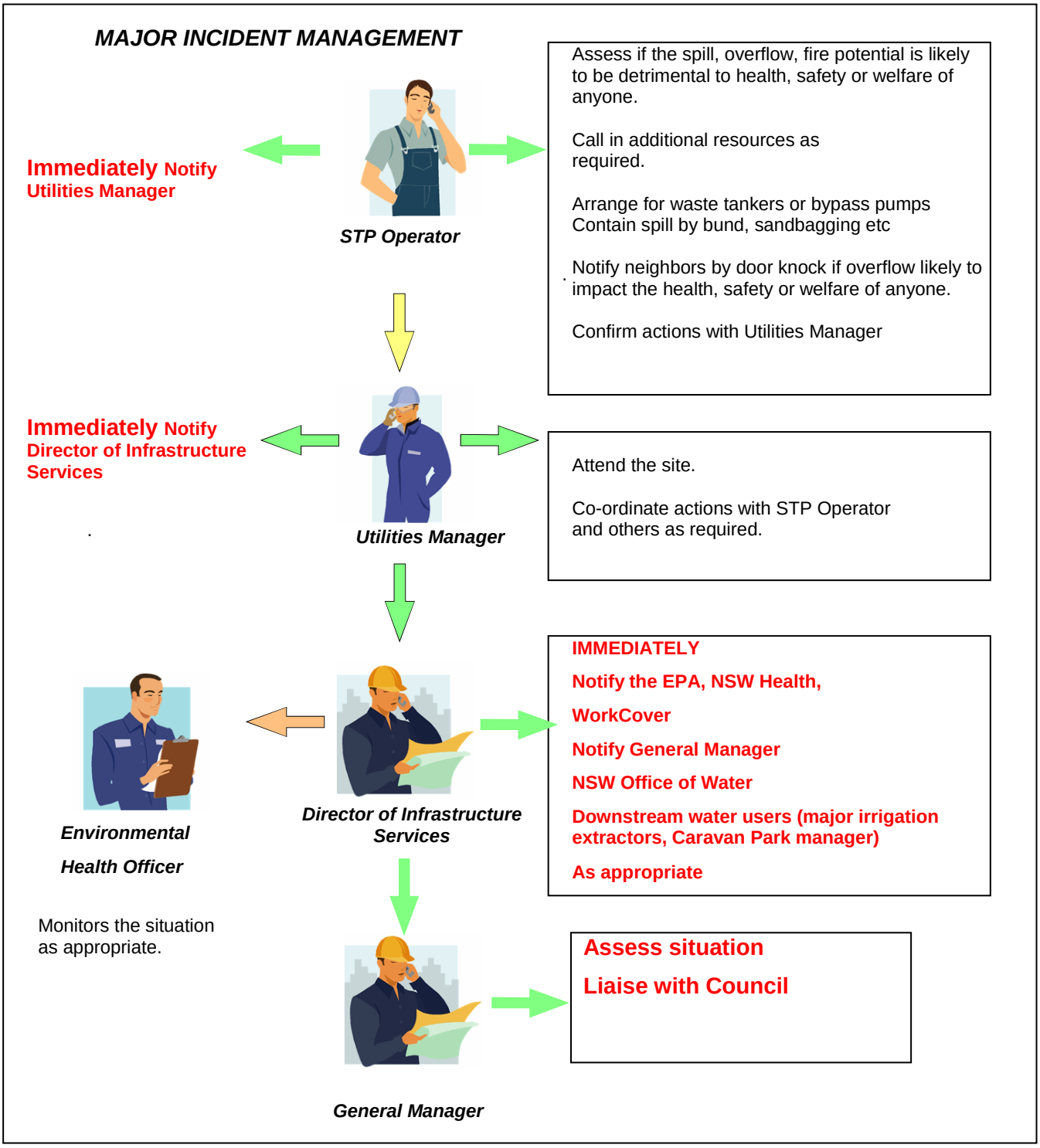
Figure 11.2 - Moderate Incident Action Plan



1.28 Major Incident Action Plan

The action plan for the following significant incidents is shown in Figure 11.3:

Figure 11.3 - Major Incident Action Plan



Evaluation, Audit and Review for Continuous Development

1.29 Evaluation and Review

A systematic review of the plan will be undertaken by the Utilities Manager annually or within one month of an incident occurring at the plant. The evaluation will:

- Assess the relevance of the risk assessment against the current state of the plant
- Identify any emerging problems and trends
- Assess the communication between Council, Council operational staff and regulators
- Assist in determining priorities for improving procedures
- Assessment of incidents and responses determined
- Determine when and what is to be audited in the next six months

Evaluation of results described above will be documented and the plan updated.

Evaluation will be reported to the Council and stakeholders.

1.30 Auditing

Auditing of the pollutant inventory is to be done annually.

An audit may also be triggered by a significant incident or if the process chemical is changed.

References

1. Lachlan Shire Council PRP 100 – Condobolin Collection System – Overflow Risk Assessment

2. POELA Act 2011

3. POEO Act 1997

4. EPL – Section 55 Protection of the Environment Operations Act 1997

Appendices

Appendix A - MSDS

Appendix B – Plans

Appendix C - Training/ Education Register

PIRMP	Completion Date	Person(s) responsible	Personnel
Induction			

Water and Sewerage
Staff Training Program

	Training Code	Position	Manger Utilities	Eng Water and Sewer	Water Operator in Charge Condo	Sewer Operator In Charge Condo	Plumbing Officer Condo	Plant Operator Reticulation Gang Member 1 - Relief Water and Sewer Operator	Plant Operator Retic Gang Member 2 - Relief Water and Sewer Operator	Sewer Operator Lake Cargelligo/Plant Operator Level 1	Relief Water and Sewer Operator
		Common Training Components									
1	001	Supervisor Orientation									
2	008	Corporate Welcome									
3	002	Corporate Work Health and Safety Training									
4	604	Construction Induction Certificate									
5	207	Identifying Hazards									
6	007	The 4 R's Training - rights, role, responsibilities and risk									
7	204/609	Manual Handling Workcover Accredited Course									
8	636	Working with hieghts									
9	200	Senior First Aid									
10	201	Senior First Aid Refresher									
11	605/606	Introduction to Traffic Control - Stop / Slow									
12		Introduction to traffic Control at Worksites - Erecting Signs									
13	607	Traffic Control at Worksites - Select /									

		Modify TCP									
14		Traffic Control at Worksites - Design/Audit TCP									
15	621	Bonded Asbestos Removal and Disposal - Workcover Accredited Class B									
16		Bonded Asbestos Removal and Disposal SupervisoryTraining - Workcover Accredited Class SB									
17	1201	Infection Control + Preventing Needle Stick Injury									
18	622	Environmental Awareness, Erosion and Sediment Control									
19	206	Fire Safety									
20	618	Friction Cutter / Chainsaw Part 1									
21	623	Telemetry System - Basic (Operator Level)									
22		Telemetry System - Intermediate (OMR)									
23		Telemetry System - Advanced (System Configuration)									
24	810/813	Computers - Introduction to Windows and Mircosoft Office									
25		Computers - Intermediate/Advanced Microsoft Office									
26		Computers - ClearScada, CITECT and GE									

		Fauic/Allen Bradley PLC programming training									
27		Computers - CivilCad/AutoCAD (depends on package purchased by Council)									
28		Read and Interpret Plans - surveying and general									
29		Surveying - Use Automatic Level, calculate RL's and contours + setout of works									
30		Surveying - Use Dual Grade Laser Levels and Pipe Laser Levels									
31		Electrical Switchboard Safety									
32	1600	Class C Drivers License									
33	1602/ 1603	MR / HR Drivers License									
34	1606	R Riders License									
35	1604	Heavy Combination HC License									
36	611	Backhoe Loader									
37	612	Skid Steer Loader (bobcat, trencher)									
38	616	Crane									
39	615	Dogman									
40	614	Elevated Work Platform									
41	610	Forklift									
42	613	Excavator									
43	623	Confined Spaces									
44	624	Confined Spaces - refresher									
45	633	Underground cable locations (Telstra Copper									

		Cable Locating)									
		Supervisors Training Components									
46	209	WHS for Supervisors/Managers									
47	208	Risk Assessment for Supervisors									
48	005	Dealing with Difficult People / Conflict Resolution									
49	210	Team Building for Supervisors/Managers									
50	211	Equal Employment Opportunity Awareness									
51	212	Effectively Manage Greivances and Complaints									
52		Gathering Information									
53	213	Privacy and Personal Information									
		Water Specific Training Components									
54	634	NOW Water Operators Certificate Part 1 - Chemical Dosing Systems									
55	635	NOW Water Operators Certificate Part 2 - Water Treatment Operations									
56		Cert III - Water Industry Operations									
57		Cert IV - Water Industry Operations									

58		NSW Health Fluoride Operators Certificate									
59		Algal Assessment and Treatment Techniques									
60	603	Chemical Safety Awareness - Chlorine gas, Hypo, PACL, HCL Acid, Soda Ash, Caustic Soda, Activated Silica, PAC, Sodium Hydroxide, Potassium Permanganate									
61		Chemical Safety Operator Training - Chlorine gas, Hypo, PACL, HCL Acid, Soda Ash, Caustic Soda, Activated Silica, PAC, Sodium Hydroxide, Potassium Permanganate									
62	634	NOW Water Treatment Update Seminars									
63		Plumbing and Drainers License									
64		Polyethelene Fusion Welding									
		Sewer Specific Training Components									
65		NOW Sewer Operators Certificate Part 1 - Wastewater Treatment Operations									
66		NOW Sewer Operators Certificate Part 2 - Advanced Treatment									

67		Cert III - Water Industry Operations								
68		Cert IV - Water Industry Operations								
69		High Pressure Mains Jet Cleaning Operation								
70		NOW Wastewater Treatment Update Seminars								
71		Overview of Liquid Trade Waste Regulation								
72		Liquid Trade Waste Regulation								

ESSENTIAL TO BE ABLE TO PERFORM DUTIES

BENEFICIAL BUT NOT ESSENTIAL TO PERFORM DUTIES

NOT REQUIRED

Appendix D – Incident Reporting Form

PART A

Report to Environmental Incident Hotline
LOCATION OF INCIDENT

PLACE YOUR COUNCIL LOGO HERE

Recent changes to Part 5.7 of the *Protection of the Environment Operations Act* 1997 (POEO Act) specify new requirements relating to the notification of pollution incidents. For more information go to the **EPA website** (www.epa.nsw.gov.au/pollution/notificationprotocol.htm)

☐ Project ☐ Facility ☐ Activity ☐ Location/Name:

STREET NUMBER STREET NAME

SUBURB NEAREST CROSS STREET

WHERE DID THE INCIDENT OCCUR

SECTION/UNIT RESPONSIBLE FOR THE SITE

☐ **Sewage**
- ☐ break in mains
- ☐ pumping station (sewage or chemical)
- ☐ sewage treatment plant
- ☐ other (ponds etc)

☐ **Waste**
- ☐ waste from Council project/facility/activity
- ☐ dumped waste
- ☐ asbestos only

☐ **General**
- ☐ spill/overflow (chemical, fuel, substance etc) - *additional detail required below*
- ☐ vegetation – disturbance / damage
- ☐ general – (heritage, water, wildlife etc)
- ☐ other

Cause
- ☐ blockage
- ☐ mechanical failure
- ☐ electrical failure or power outage
- ☐ rainfall inundation
- ☐ trade waste incident
- ☐ break in main
- ☐ other

DESCRIPTION OF INCIDENT

ACTION TAKEN TO CONTAIN/ MANAGE THE INCIDENT

Were photos taken: YES ☐ NO ☐ Were samples taken: YES ☐ NO ☐

DETAILS OF PERSON REPORTING THE INCIDENT

NAME DATE

PHONE MOBILE

DEPARTMENT SECTION

PART B

Report to Environmental Incident Hotline
INVESTIGATION

PLACE YOUR COUNCIL LOGO HERE

The appropriate Section Supervisor/Manager is responsible for completion of Part B of the incident report.

IMMEDIATE ACTION BY SUPERVISOR/MANAGER

Will the incident:

1. Require assistance from other agencies to contain, isolate or cleanup? YES ☐ NO ☐ NOT SURE ☐
   If "Yes" call 000 immediately.
2. Pose any actual or potential harm to human health that is not trivial? YES ☐ NO ☐ NOT SURE ☐
   - Is it located within 100m of a school, childcare centre, aged care home?
   - Could it impact on users of public areas such as ovals, reserves, waterways?
   - Could the impact spread and potentially harm occupants of nearby properties?
3. Pose any actual or potential harm to ecosystems that is not trivial? YES ☐ NO ☐ NOT SURE ☐
   - Could the incident flow / impact on a water body or drainage system?
   - Could the incident flow / impact on environmentally sensitive land?
4. Result in actual or potential loss or property damage of an amount over $10,000? YES ☐ NO ☐ NOT SURE ☐

If you answered **'YES' to any of the above** then the incident should be considered as a notifiable "pollution event". There is a **duty to notify** the EPA, Ministry of Health, WorkCover and Fire and Rescue NSW immediately after becoming aware of a pollution incidents where material harm is caused or threatened. Failure to do so is an offence *(Protection of the Environment Operations Act 1997)*

AGENCY NOTIFICATIONS

If the incident does not require an initial combat agency, or once the 000 call has been made, notify the relevant authorities in the following order.

NSW EPA (EPA Environment Line: 131 555)

Contacted: ☐ YES ☐ NO Reason not contacted:

NAME OF EPA REPRESENTATIVE	TIME AND DATE	EPA REFERENCE NUMBER

ACTIONS REQUIRED BY EPA

NSW Health – Local Public Health Unit (See www.health.nsw.gov.au/publichealth/infectious/phus.asp)

Contacted: ☐ YES ☐ NO Reason not contacted:

NAME OF PHU REPRESENTATIVE	TIME AND DATE	PHU REFERENCE NUMBER

ACTIONS REQUIRED BY LOCAL PHU

WorkCover Authority (WorkCover: 13 10 50)

Contacted: ☐ YES ☐ NO Reason not contacted:

NAME OF WORKCOVER REPRESENTATIVE	TIME AND DATE	WORKCOVER REFERENCE NUMBER

ACTIONS REQUIRED BY WORKCOVER

Fire & Rescue NSW (Emergency Hotline: 000)

Contacted: ☐ YES ☐ NO Reason not contacted:

NAME OF FIRE & RESCUE REPRESENTATIVE	TIME AND DATE	FIRE & RESCUE REFERENCE NUMBER

ACTIONS REQUIRED BY FIRE & RESCUE

CONTINUES ON REVERSE

OTHER NOTIFICATIONS TO CONSIDER INCLUDE:

- ☐ Internal contacts eg Environmental Health Officer
- ☐ Media
- ☐ NSW Food Authority
- ☐ Shellfish programs
- ☐ River users eg boat hiring companies
- ☐ Marine education centres
- ☐ Other

PRELIMINARY INVESTIGATION

Notes from discussions with relevant operational staff

Any further observations or comments by Supervisor / Manager

CATEGORISATION BY AUTHORISED OFFICER

☐ **Minor** *No notification required*	• Incident affects small area only (eg single property) AND • Incident is easy to clean up without additional assistance, AND • There is no risk of material harm to humans or the environment.
☐ **Moderate** *Notify EPA and Local PHU only*	• Incident affects more than one property OR • There is a risk of pollution or material harm to the environment BUT • Cleanup can be completed without assistance AND • There is no danger to humans.
☐ **Major** *Notification required - Notify EPA, Local PHU, Workcover and Fire & Rescue*	• Potential or actual harm to humans and the environment AND/OR • Assistance is required with cleanup from other agencies.
☐ **Council Responsible**	Incident occurred as a direct result of Council activity or function.
☐ **Response by Council**	Incident occurred on Council land, or land under Council care and control BUT Council did not cause the incident.
☐ **Technical Licence Breach**	Relating to technical compliance such as exceedence of permissible discharge volume or environmental monitoring limits.

DETAILS OF APPROPRIATE SECTION SUPERVISOR/MANAGER REPORTING THE INCIDENT

NAME

DATE ☐☐ ☐☐ ☐☐☐☐

PHONE ☐☐ ☐☐☐☐☐☐☐☐

MOBILE ☐☐☐☐ ☐☐☐☐☐☐

DEPARTMENT SECTION

Appendix E – Audit Log Form

Auditor/ reviewer comment (System deficiency and non-compliances)	Scheme response	Corrective actions to prevent reoccurrence	Timetable for corrective/preventive action	Person(s) responsible	Completion Date

The report must be signed by the Utilities manager.

Appendix F – PRP 100 Overflow Risk Assessment Collection System

1.31 Appendix G – Telemetry System Alarm Listing

Water or Sewer	Site	Digital Point	SMS Text	Condo Water SMS	Condo Sewer SMS	Dialler Water Alarm	Dialler Sewer Alarm	LSC Comments
s	Boona Road SPS	Intrusion Alarm	Boona Road SPS Intrusion Alm	0	1	0	0	
s	Boona Road SPS	Phase Fail Alarm	Boona Road SPS Phase FailAlm	0	1	0	0	
s	Boona Road SPS	Pump Number 1 Failed Alarm	Boona Road SPS P1 Fail Alarm	0	1	0	0	
s	Boona Road SPS	Pump Number 2 Failed Alarm	Boona Road SPS P2 Fail Alarm	0	1	0	0	
s	Boona Road SPS	Wet Well High Level Alarm	Boona Road SPS WetWell Hi Lvl	0	1	0	1	
s	Camp Drafts SPS	Intrusion Alarm	Camp Drafts SPS Intrusion Alm	0	1	0	0	
s	Camp Drafts SPS	Phase Fail Alarm	Camp Drafts SPS Phase FailAlm	0	1	0	0	
s	Camp Drafts SPS	Pump Number 1 Failed Alarm	Camp Drafts SPS P1 Fail Alarm	0	1	0	0	
s	Camp Drafts SPS	Wet Well High Level Alarm	Camp Drafts SPS WetWell Hi Lvl	0	1	0	1	
s	Caravan Park 1 SPS	Intrusion Alarm	Caravan Park 1 SPS Intrusion Alm	0	1	0	0	
s	Caravan Park 1 SPS	Phase Fail Alarm	Caravan Park 1 SPS Phase FailAlm	0	1	0	0	
s	Caravan Park 1 SPS	Pump Number 1 Failed Alarm	Caravan Park 1 SPS P1 Fail Alarm	0	1	0	0	
s	Caravan Park 1 SPS	Pump Number 2 Failed Alarm	Caravan Park 1 SPS P2 Fail Alarm	0	1	0	0	
s	Caravan Park 1 SPS	Wet Well High Level Alarm	Caravan Park 1 SPS WetWell Hi Lv	0	1	0	1	
s	Caravan Park 2 SPS	Intrusion Alarm	Caravan Park 2 SPS Intrusion Alm	0	1	0	0	
s	Caravan Park 2 SPS	Phase Fail Alarm	Caravan Park 2 SPS Phase FailAlm	0	1	0	0	
s	Caravan Park 2 SPS	Pump Number 1 Failed Alarm	Caravan Park 2 SPS P1 Fail Alarm	0	1	0	0	
s	Caravan Park 2 SPS	Wet Well High Level Alarm	Caravan Park 2 SPS WetWell Hi Lv	0	1	0	1	
w	CMF Condobolin WTP	Telemetry 240V Fail Alarm	CMF Condobolin WTP - 240V Fail	1	0	1	0	
w	CMF Condobolin WTP	Telemetry Battery Low Alarm	CMF Condobolin WTP - Batt Low	1	0	0	0	
w	Condoblin Bore	Telemetry Battery Low Alarm	Condoblin Bore - Batt Low	1	0	0	0	
w	Condoblin Bore	Phase Fail Alarm	Condoblin Bore Phase FailAlm	1	0	0	0	
w	Condoblin Bore	Intrusion Alarm	Condoblin Bore Intrusion Alm	1	0	0	0	
w	Condoblin Bore	Pump Number 1 Failed Alarm	Condoblin Bore P1 Fail Alarm	1	0	0	0	
w	Condoblin Bore	Telemetry Power Fail Alarm	Condoblin Bore - 240V Fail	1	0	1	0	
s	Condobolin NEW STW	Eff. Decanter Failed Alarm	Condobolin NEW STW Decant Fail	0	1	0	0	

s	Condobolin NEW STW	Intrusion Alarm	Condobolin NEW STW Intrusion Alm	0	1	0	0	
s	Condobolin NEW STW	Rotor Number 1 Failed Alarm	Condobolin NEW STW Rotor1 Fail	0	1	0	0	
s	Condobolin NEW STW	Rotor Number 2 Failed Alarm	Condobolin NEW STW Rotor2 Fail	0	1	0	0	
s	Condobolin NEW STW	Rotor Number 3 Failed Alarm	Condobolin NEW STW Rotor3 Fail	0	1	0	0	
s	Condobolin NEW STW	Sludge Pump Failed Alarm	Condobolin NEW STW Sldg Pmp Fail	0	1	0	1	
s	Condobolin NEW STW	Telemetry 240V Fail Alarm	Condobolin NEW STW - 240V Fail	0	1	0	1	
s	Condobolin NEW STW	Telemetry Battery Low Alarm	Condobolin NEW STW - Batt Low	0	1	0	0	
s	Condobolin OLD STW	Effluent Pump 1 Fail Alarm	Condobolin OLD STW Eff P1 Fail	0	1	0	0	
s	Condobolin OLD STW	Effluent Pump 2 Fail Alarm	Condobolin OLD STW Eff P2 Fail	0	1	0	0	
s	Condobolin OLD STW	Effluent Pump 3 Fail Alarm	Condobolin OLD STW Eff P3 Fail	0	1	0	0	
s	Condobolin OLD STW	Intrusion Alarm	Condobolin OLD STW Intrusion Alm	0	1	0	0	
s	Condobolin OLD STW	Phase Fail Alarm	Condobolin OLD STW Phase FailAlm	0	1	0	1	
s	Condobolin OLD STW	Sludge Pump Failed Alarm	Condobolin OLD STW Sldg Pmp Fail	0	1	0	1	
s	Condobolin OLD STW	Sump Pump Failed Alarm	Condobolin OLD STW Sump Pmp Fail	0	1	0	1	
s	Condobolin OLD STW	Telemetry 240V Fail Alarm	Condobolin OLD STW - 240V Fail	0	1	0	1	
s	Condobolin OLD STW	Telemetry Battery Low Alarm	Condobolin OLD STW - Batt Low	0	1	0	0	
w&S	Condobolin Res REP	Intrusion Alarm	Condobolin Res REP Intrusion Alm	1	0	1	0	
w&S	Condobolin Res REP	Reservoir Overflow Alarm	Condobolin Res REP Overflow Alm	1	0	1	0	
w&S	Condobolin Res REP	Telemetry Power Fail Alarm	Condobolin Res REP - 240V Fail	1	0	1	0	
w	Condobolin RWPS	Dry Well Level Alarm	Condobolin RWPS DryWell Lvl Alm	1	0	1	0	
w	Condobolin RWPS	Intrusion Alarm	Condobolin RWPS Intrusion Alm	1	0	0	0	
w	Condobolin RWPS	Pump Number 1 Failed Alarm	Condobolin RWPS P1 Fail Alarm	1	0	0	0	
w	Condobolin RWPS	Pump Number 2 Failed Alarm	Condobolin RWPS P2 Fail Alarm	1	0	0	0	
w	Condobolin RWPS	Telemetry Power Fail Alarm	Condobolin RWPS - 240V Fail	1	0	1	0	
s	Condobolin STW SPS	Intrusion Alarm	Condobolin STW SPS Intrusion	0	1	0	0	

			Alm					
s	Condobolin STW SPS	Phase Fail Alarm	Condobolin STW SPS Phase FailAlm	0	1	0	0	
s	Condobolin STW SPS	Pump Control General Alarm	Condobolin STW SPS Pump Control	0	1	0	0	
s	Condobolin STW SPS	Telemetry 240V Fail Alarm	Condobolin STW SPS - 240V Fail	0	1	0	1	
s	Condobolin STW SPS	Telemetry Battery Low Alarm	Condobolin STW SPS - Batt Low	0	1	0	0	
s	Condobolin STW SPS	Wet Well High Level Alarm	Condobolin STW SPS WetWell Hi Lv	0	1	0	1	
w	Condobolin WTP	Chemical General Alarm	Condobolin WTP Chemical Alm	1	0	1	0	
w	Condobolin WTP	Clear Water Overflow Alarm	Condobolin WTP CWT Overflow	1	0	1	0	
w	Condobolin WTP	Intrusion Alarm	Condobolin WTP Intrusion Alm	1	0	0	0	
w	Condobolin WTP	Phase Fail Alarm	Condobolin WTP Phase FailAlm	1	0	1	0	
w	Condobolin WTP	Pump Number 1 Failed Alarm	Condobolin WTP P1 Fail Alarm	1	0	0	0	
w	Condobolin WTP	Pump Number 2 Failed Alarm	Condobolin WTP P2 Fail Alarm	1	0	0	0	
w	Condobolin WTP	Telemetry 240V Fail Alarm	Condobolin WTP - 240V Fail	1	0	1	0	
w	Condobolin WTP	Telemetry Battery Low Alarm	Condobolin WTP - Batt Low	1	0	0	0	
w	Fifield Pump STN	Intrusion Alarm	Fifield Pump STN Intrusion Alm	1	0	0	0	
w	Fifield Pump STN	Phase Fail Alarm	Fifield Pump STN Phase FailAlm	1	0	0	0	
w	Fifield Pump STN	Pump Number 1 Failed Alarm	Fifield Pump STN P1 Fail Alarm	1	0	0	0	
w	Fifield Pump STN	Pump Number 2 Failed Alarm	Fifield Pump STN P2 Fail Alarm	1	0	0	0	
w	Fifield SF Res	Intrusion Alarm	Fifield SF Res Intrusion Alm	1	0	0	0	
w	Fifield SF Res	Reservoir Low Level Alarm	Fifield SF Res Low Lvl Alm	1	0	1	0	
w	Fifield SF Res	Reservoir Overflow Alarm	Fifield SF Res Overflow Alm	1	0	1	0	
s	Football club SPS	Intrusion Alarm	Football club SPS Intrusion Alm	0	1	0	0	
s	Football club SPS	Phase Fail Alarm	Football club SPS Phase FailAlm	0	1	0	0	
s	Football club SPS	Pump Number 1 Failed Alarm	Football club SPS P1 Fail Alarm	0	1	0	0	
s	Football club SPS	Wet Well High Level Alarm	Football club SPS WetWell Hi Lvl	0	1	0	1	
s	Gum Bend Lake SPS	Intrusion Alarm	Gum Bend Lake SPS Intrusion Alm	0	1	0	0	

s	Gum Bend Lake SPS	Phase Fail Alarm	Gum Bend Lake SPS Phase FailAlm	0	1	0	0	
s	Gum Bend Lake SPS	Pump Number 1 Failed Alarm	Gum Bend Lake SPS P1 Fail Alarm	0	1	0	0	
s	Gum Bend Lake SPS	Wet Well High Level Alarm	Gum Bend Lake SPS WetWell Hi Lvl	0	1	0	1	
s	Lachlan St SPS	Dry Well Flooded Alarm	Lachlan St SPS DryWell Flood Alm	0	1	0	1	
s	Lachlan St SPS	Intrusion Alarm	Lachlan St SPS Intrusion Alm	0	1	0	0	
s	Lachlan St SPS	Phase Fail Alarm	Lachlan St SPS Phase FailAlm	0	1	0	1	
s	Lachlan St SPS	Pump Number 1 Failed Alarm	Lachlan St SPS P1 Fail Alarm	0	1	0	0	
s	Lachlan St SPS	Pump Number 2 Failed Alarm	Lachlan St SPS P2 Fail Alarm	0	1	0	0	
s	Lachlan St SPS	Telemetry 240V Fail Alarm	Lachlan St SPS - 240V Fail	0	1	0	1	
s	Lachlan St SPS	Telemetry Battery Low Alarm	Lachlan St SPS - Batt Low	0	1	0	0	
s	Lachlan St SPS	Wet Well High Level Alarm	Lachlan St SPS WetWell Hi Lvl	0	1	0	1	
s	Moulder St SPS	Intrusion Alarm	Moulder St SPS Intrusion Alm	0	1	0	0	
s	Moulder St SPS	Phase Fail Alarm	Moulder St SPS Phase FailAlm	0	1	0	1	
s	Moulder St SPS	Pump Number 1 Failed Alarm	Moulder St SPS P1 Fail Alarm	0	1	0	0	
s	Moulder St SPS	Pump Number 2 Failed Alarm	Moulder St SPS P2 Fail Alarm	0	1	0	0	
s	Moulder St SPS	Wet Well High Level Alarm	Moulder St SPS WetWell Hi Lvl	0	1	0	1	
w	Murrin Bridge Res	Intrusion Alarm	Murrin Bridge Res Intrusion Alm	1	0	0	0	Murrin Bridge to be disabled
w	Murrin Bridge Res	Reservoir Low Level Alarm	Murrin Bridge Res Low Lvl Alm	1	0	1	0	Murrin Bridge to be disabled
w	Murrin Bridge Res	Reservoir Overflow Alarm	Murrin Bridge Res Overflow Alm	1	0	1	0	Murrin Bridge to be disabled
s	Officer Parade SPS	Intrusion Alarm	Officer Parade SPS Intrusion Alm	0	1	0	0	
s	Officer Parade SPS	Phase Fail Alarm	Officer Parade SPS Phase FailAlm	0	1	0	0	
s	Officer Parade SPS	Pump Number 1 Failed Alarm	Officer Parade SPS P1 Fail Alarm	0	1	0	0	
s	Officer Parade SPS	Pump Number 2 Failed Alarm	Officer Parade SPS P2 Fail Alarm	0	1	0	0	
s	Officer Parade SPS	Wet Well High Level Alarm	Officer Parade SPS WetWell Hi Lv	0	1	0	1	
s	Race Club SPS	Intrusion Alarm	Race Club SPS Intrusion Alm	0	1	0	0	
s	Race Club SPS	Phase Fail Alarm	Race Club SPS Phase FailAlm	0	1	0	0	

s	Race Club SPS	Pump Number 1 Failed Alarm	Race Club SPS P1 Fail Alarm	0	1	0	0	
s	Race Club SPS	Wet Well High Level Alarm	Race Club SPS WetWell Hi Lvl	0	1	0	1	
w&S	RMF Condobolin OFF	Telemetry 240V Fail Alarm	RMF Condobolin OFF - 240V Fail	1	0	1	0	
w&S	RMF Condobolin OFF	Telemetry Battery Low Alarm	RMF Condobolin OFF - Batt Low	1	0	0	0	
s	Soccer Club SPS	Intrusion Alarm	Soccer Club SPS Intrusion Alm	0	1	0	0	
s	Soccer Club SPS	Phase Fail Alarm	Soccer Club SPS Phase FailAlm	0	1	0	0	
s	Soccer Club SPS	Pump Number 1 Failed Alarm	Soccer Club SPS P1 Fail Alarm	0	1	0	0	
s	Soccer Club SPS	Wet Well High Level Alarm	Soccer Club SPS WetWell Hi Lvl	0	1	0	1	
s	SRA Cottage SPS	Intrusion Alarm	SRA Cottage SPS Intrusion Alm	0	1	0	0	
s	SRA Cottage SPS	Phase Fail Alarm	SRA Cottage SPS Phase FailAlm	0	1	0	1	
s	SRA Cottage SPS	Pump Number 1 Failed Alarm	SRA Cottage SPS P1 Fail Alarm	0	1	0	0	
s	SRA Cottage SPS	Pump Number 2 Failed Alarm	SRA Cottage SPS P2 Fail Alarm	0	1	0	0	
s	SRA Cottage SPS	Wet Well High Level Alarm	SRA Cottage SPS WetWell Hi Lvl	0	1	0	1	
s	SRA Hall SPS	Intrusion Alarm	SRA Hall SPS Intrusion Alm	0	1	0	0	
s	SRA Hall SPS	Phase Fail Alarm	SRA Hall SPS Phase FailAlm	0	1	0	0	
s	SRA Hall SPS	Pump Number 1 Failed Alarm	SRA Hall SPS P1 Fail Alarm	0	1	0	0	
s	SRA Hall SPS	Pump Number 2 Failed Alarm	SRA Hall SPS P2 Fail Alarm	0	1	0	0	
s	SRA Hall SPS	Wet Well High Level Alarm	SRA Hall SPS WetWell Hi Lvl	0	1	0	1	
s	Willow Bend SPS	Intrusion Alarm	Willow Bend SPS Intrusion Alm	0	1	0	0	
s	Willow Bend SPS	Phase Fail Alarm	Willow Bend SPS Phase FailAlm	0	1	0	0	
s	Willow Bend SPS	Pump Number 1 Failed Alarm	Willow Bend SPS P1 Fail Alarm	0	1	0	0	
s	Willow Bend SPS	Pump Number 2 Failed Alarm	Willow Bend SPS P2 Fail Alarm	0	1	0	0	
s	Willow Bend SPS	Wet Well High Level Alarm	Willow Bend SPS WetWell Hi Lvl	0	1	0	1	

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