



Wagga Wagga  
City Council

SEWER NETWORK

# POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN

October 2023







## **Sewer Network Pollution Incident Response Management Plan**

### **Environment Protection Licences – 392,393 & 1670**

**4<sup>th</sup> October 2023**

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## 1. Introduction

This Pollution Incident Response Management Plan (PIRMP) has been prepared to describe the processes required to prepare and respond to pollution incidents for the Wagga Wagga City Council (WWCC) sewer reticulation and treatment system operating under Environmental Protection Licence (EPL) 392,393 and 1670.

The Protection of the Environment Legislation Amendment Act 2011 (POELA Act) introduced several changes to the way pollution incidents are reported, managed and communicated to the community.

The Act includes a new requirement under Part 5.7A of the *Protection of the Environment Operations Act 1997* (POEO Act) to prepare, keep, test and implement a pollution incident response management plan.

## 2. Objectives

The objectives of these plans are to:

- Ensure comprehensive and timely communication about a pollution incident to:
  - Staff at the premises
  - Environment Protection Authority (EPA)
  - NSW Ministry of Health
  - Work Cover NSW
  - Fire and Rescue NSW
  - People outside the facility who may be affected by the impacts of a possible pollution incident
- Minimise and control the risk of a pollution incident at the facility by requiring identification of risks and the development of planned actions to minimise and manage those risks
- 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, and suitability.

Beyond meeting the legislative requirements; the purpose of the plan is to reduce the risk of an environmental pollution incident occurring and identify any possible residual risks that may be present to help coordinate an appropriate and timely response should any such incident occur.

## 3. Legislative Requirements

The specific requirements for pollution incident response management plans are set out in Part 5.7A of the POEO Act and the Protection of the Environment Operations (General) Regulation 2009 (POEO (G) Regulation). In summary, this provision requires the following:

- All holders of environment protection licences must prepare a pollution incident response management plan (section 153A, POEO Act).
- The plan must include the information detailed in the POEO Act (section 153C) and be in the form required by the POEO (G) Regulation (clause 98B).
- Licensees must keep the plan at the premises to which the environment protection licence relates or, in the case of trackable waste transporters and mobile plant, where the relevant activity takes place (section 153D, POEO Act).
- Licensees must test the plan in accordance with the POEO (G) Regulation (clause 98E).

## 4. Definition of a Pollution Incident

The definition of a pollution incident is:

*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.

All regulated operations within NSW are now required to report pollution incidents immediately to the EPA, NSW Health, Fire and Rescue NSW, SafeWork 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 a faster manner.

## 5. Pollution Incident Response Procedure

Whoever is aware of the pollution incident must immediately contact the individuals responsible for managing the incident response and the relevant authorities. The person(s) who may be aware of an incident are:

- Employees of WWCC
- Employer or principal (WWCC)
- Occupier of the premises where the incident occurs
- Person carrying out an activity (Not being a WWCC employee or contractor)

The position title and 24-hour contact details of individuals responsible for managing the incident response and notifying the relevant authorities are listed in Sections 11 & 12 of this document.

In the first instance, the person coordinating the incident response:

**a) In the Reticulation Network: James Tapfield** (Team Leader Sewer/Stormwater/Flood Maintenance) **0427 713 359**.

**b) At Sewage Pump Stations: Daniel Smallwood** (Pump Station Technician) **0428 511 491**

**c) At Sewage Treatment Plants: Jason Creed** (Water Reclamation Team Leader) **0436 916 723**

The chain of command is summarised in Sections 11 & 12 and includes 24 hr contact details for each position.

The person responsible for managing the incident response must perform the following actions;

1. Investigate to determine the legitimacy and extent of the incident.
2. Organise equipment and resources to ensure the area is safe and controlled e.g. isolate area (evacuate / barriers), traffic diversion (barriers / signage) etc. If the incident is a spill it must be prevented from entering the waterways or storm water drains.
3. Determine roles and responsibilities and obtain the required assistance.
4. In the event of a questionable or significant incident, inform the Supervisor Underground Services (for reticulation & sewage pump stations)/ Strategic Advisor (for sewage treatment plants) will attend the site and provide coordination assistance.
5. Call 000, if the incident presents an immediate threat to human health or property, Fire & Rescue NSW, NSW Police and the NSW ambulance service are the first responders, as they are responsible for controlling and containing incidents. Liaise with these agencies and act on any instructions given once they arrive on-site.
6. Ensure the Manager/Director Operations reports all relevant environmental incidents on the 24 hr EPA customer Hotline Ph: 131 555, once they have attended the site.
7. Follow pollution incident reporting procedures on section 6 of this document.
8. Delegate the role of informing the neighbours via door knocking or by phone call.
9. Conduct an investigation into the incident, debrief staff and recommend actions to reduce the risk of the incident occurring again within 2 weeks.
10. This plan must be reviewed within one month of a pollution incident occurring.

## 6. Pollution Incident Reporting Procedure

1. The Team Leaders and Technician must report all environmental incidents in the relevant electronic or hard copy templates – providing information as described in Section 7.
2. Manager/Director Operations will determine if the incident meets the definition of a “Pollution Incident” outlined in the POEO Act Amendments and described in section 4 of this document.
3. If it is considered a ‘Pollution Incident’ it will be reported to the following Authorities where relevant;

Order	Emergency Service	Phone
1	Police / Fire / Ambulance	000
2	EPA Environment Line	131 555
3	NSW Health – Public Health Department - Murrumbidgee Local Health District (193 Morgan St Wagga Wagga NSW 2650)	(02) 5943 2003
4	SafeWork NSW (2/76 Morgan St Wagga Wagga NSW)	(02) 6933 6500

**NOTE: In the event that the Supervisor, or Manager Operations is not available, Staff will need to report the environmental pollution incidents directly to the above services where relevant.**

## 7. Pollution Incident Information that must be recorded

1. The time, date, nature, duration and location of the incident
2. The location of the place where pollution is occurring or likely to occur
3. The nature, the estimated quantity or volume and the concentration of any pollutants involved, if known
4. The circumstances in which the incident occurred (including the cause of the incident if known)
5. The action taken or proposed actions to be taken to deal with the incident and any resulting pollution or threatened pollution, if known
6. Other information prescribed by the regulations



## 8. Environmental Hazards

The potential hazards to the environment from the sewage reticulation system operated by WWCC under Environmental Protection License ( EPL) 392,393 and 1670 in this plan include but are not limited to:

- Sewage overflow (raw or partially treated) potentially caused by:
  - ✓ Reticulation blockages
  - ✓ Damage to reticulation pipe
  - ✓ Power failures and Infrastructure damage due to storms
  - ✓ Mechanical equipment failure
  - ✓ Treatment plant blockages
  - ✓ SCADA/communication failure
  - ✓ Assets failure due to age
- Chemical spill-Potentially caused by:
  - ✓ Delivery incident
  - ✓ Tank/storage failure
  - ✓ Damage to chemical pipe
  - ✓ Bund failure
  - ✓ Chemical dosing pump failure
  - ✓ Vandalism

## 9. Inventory of pollutants

**Narrung Street Sewage Treatment Plant Pollutant Inventory and maximum quantity stored at the premises.**

Product	Quantity Stored	Hazardous	DG
<b>CHEMICALS</b>			
Sodium Hypochlorite solution (10-15%)	20000L	Yes	8
Aluminium Sulphate	30000L	Yes	N/A
Caustic Soda (46-50%) Solution	20000L	Yes	8
Ferrous Chloride solution	40000L	Yes	8
Sodium Bisulphate	5000L	Yes	8
DEB instant foam skin sanitizer	1250ML	Yes	3
Mobil Extra 2T	20L	No	N/A
BP Regular unleaded petrol	40L	Yes	3
Airwick air freshener all Scents	400g	Yes	2.1
Ammonium Test Kits Reagent NH4-3	500ml	Yes	9

Sewer Network  
Pollution Incident Response Management Plan

TREATMENT PROCESS	VOLUME kL	VESSEL
Mixed Liquor Suspended Solids	5400 kL	Orbal
Mixed Liquor Suspended Solids	7100 kL	SBR1
Mixed Liquor Suspended Solids	7100 kL	SBR2
Waste Activated Sludge	1625 kL	Digester 1
Waste Activated Sludge	1625 kL	Digester 2
Biosolids (18% OD)	90 Tonnes	Hopper

**Koorungal Sewage Treatment Plant Pollutant Inventory and maximum quantity stored at the premises.**

Product	Quantity Stored	Hazardous	DG
Sodium Hypochlorite solution (10-15%)	13500L	Yes	8
Aluminium Sulphate	22700L	Yes	N/A
Caustic Soda (46-50%) Solution	5000L	Yes	8
Sodium Bisulphate	5000L	Yes	8
DEB instant foam skin sanitizer	750ML	Yes	3
Mobil Extra 2T	20L	No	N/A
5.56 Aerosol CRC	400G	Yes	2.1
BP Regular unleaded petrol	60L	Yes	3
Round up	20L	Yes	N/A
Airwick air freshener all Scents	400g	Yes	2.1
Ammonium test kits Reagent NH4-3	500ml	Yes	9

Sewer Network  
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TREATMENT PROCESS	VOLUME kL	VESSEL
Mixed Liquor Suspended Solids	7100 kL	SBR1
Mixed Liquor Suspended Solids	7100 kL	SBR2
Waste Activated Sludge	450 kL	Digester 1
Waste Activated Sludge	432 kL	Digester 2
Waste Activated sludge	432 kL	Digester 3
Biosolids (18% OD)	60 Tonnes	Hopper

**BISTF Pollutant Inventory and maximum quantity stored at the premises.**

Product	Quantity Stored	Hazardous	DG
Caustic Soda (46-50%) Solution	200L	Yes	8
Ammonium test kits Reagent NH4-3	500ml	Yes	9

## 10. Safety equipment

WWCC has developed general site safety rules applicable to all sites. ALL staff is required to comply with the following safety rules.

- General safety and safe work practices
- Housekeeping and cleaning
- Personal Protective equipment

Personal Protective Equipment (PPE) shall be worn at all times by operational staff to ensure potential contact with pollutants or chemical is minimised when carrying out inspections or routine maintenance work.

Safety equipment located within the site are listed below.

- Fire extinguishers are located on all site buildings.
- First Aid Kits are located on all site buildings and mobile kits are available in utility vehicles
- Spill Kits
- MSDSs register and folders are kept on all sites.
- Personal Protective Equipment (PPE)
- Emergency Spill response signs
- Absorbent floor sweep
- Stick down bunding
- Task specific safety equipment will be described in the Safe Work Method Statements for each task.

# 11. Sewage Treatment Plants

## Decision Flow Chart, Key Responsibilities and Contact Details

Narrung Street Sewage Treatment Plant (EPL #393)  
120, Narrung Street  
Wagga Wagga 2650

Koorinal Sewage Treatment Plant (EPL #392)  
30, Vincent Road  
Koorinal NSW 2650

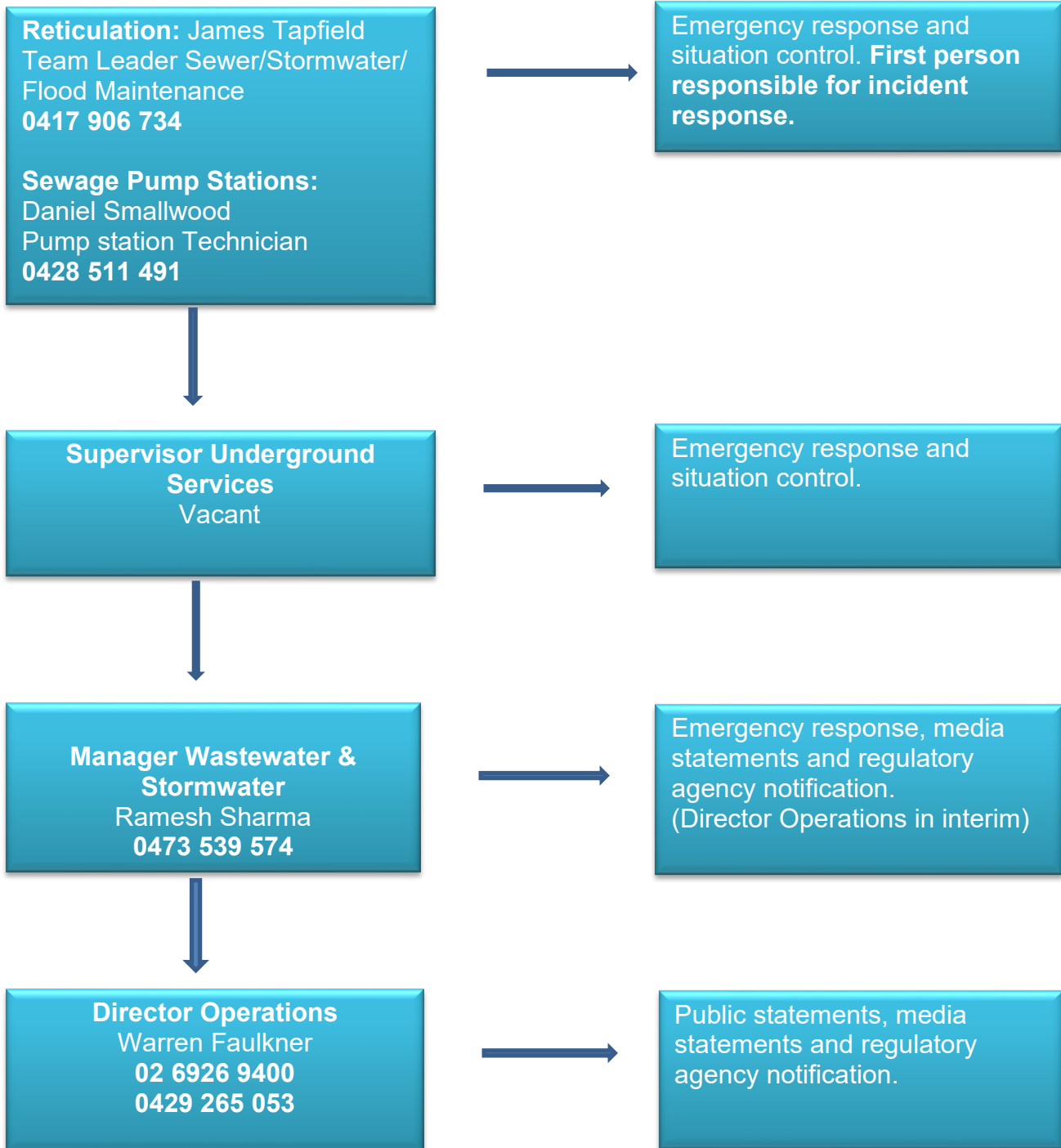
Bomen Industrial Sewage Treatment Facility (BISTF) (EPL #393)  
103 Bomen Road  
Bomen NSW 2650

Forest Hill Sewage Treatment Plant (EPL #1670)  
Treatment works Access Road  
Forest Hill NSW 2651



## 12. Reticulation & Sewage Pump Stations (sps)

### a) Decision Flow Chart, Key Responsibilities and Contact Details



## b) Safe Operating Procedure: Sewer – Sanitary Overflows

### SAFE OPERATING PROCEDURE SEWER - SANITARY OVERFLOWS



August 2020

#### MANDATORY PPE:



#### AS REQUIRED PPE



#### PURPOSE

The purpose of this procedure is to establish general requirements for the process of preventing, controlling, containing, notifying appropriate agencies, determining the cause of overflow, making recommendations for improvements, cleaning up and sampling waterways (if required) for sanitary overflows.

#### SCOPE

- Prevent, Control, stop and contain sewer overflows
- Incident reporting and documentation
- Notification
- Clean up and remediate site from sewer overflow
- If required sample testing of the creek/river to determine any environmental impact

#### PROCEDURE

##### Response Steps for Sewer Overflow – Sewer Pump Stations & Rising Mains

- When high level 2 alarm is received from radio telemetry system, pump attendant or on call persons will arrive on site
- Pump attendant or on call persons will attempt to prevent any potential sewer overflow and troubleshoot the problem. (Power outage, pump failure)
- Connect alternative power source or engage back up pump system to prevent potential overflow

##### Response Steps for Sewer Overflow – Sewer Gravity Network

- Sewer 2 of on call staff will attempt to contain and isolate the overflow
- Sewer 2 will attempt to prevent any potential sewer overflow and troubleshoot the problem. (chokes, collapses, foreign objects)

##### Notification of Supervisors

- Pump Attendant or on call persons will call Team Leader/Supervisor to request additional help
- Supervisor/Team Leader will co-ordinate the containment of overflow
- Team Leader/Supervisor will notify Manager of location and approximate volume of overflow

##### Notification of EPA

- Manager will notify regulatory agencies and give location, cause of overflow and approximate volume of discharge (depending on the volume of overflow)
- Manager will complete the incident report

safety@wagga.nsw.gov.au  
*Working with you to make a difference.*

Wagga Wagga City Council  
Safety Team  
02 6926 9284

## **SAFE OPERATING PROCEDURE SEWER - SANITARY OVERFLOWS**

- **Note:** that if an overflow is to occur **immediate notification** to the regulatory agencies must be undertaken

### **Clean-up**

- Recover as much effluent and pollutants as possible using a vacuum truck or suitable method. (Absorbent/Sand)
- Rake up and clean grass areas and wash down
- Remove first 100mm of topsoil if required
- Disinfect the area with suitable disinfectant
- Spread lime around site if required to minimise odour and reduce biological impact on site

### **Team debrief**

- Team leader/Supervisor will conduct a team brief and determine the cause of sewer overflow
- Results and corrective action list to be reported to the manager

### **Corrective actions**

- Follow up to ensure that the recommended corrective actions have been completed
- Ensure the problem does not re-occur
- Determine if a permanent solution has been implemented if solution is temporary
- Review previous overflow incident reports and take remedial actions to mitigate future incidents
- Manager to review PIRMP including this SOP

### **Causes of sewer overflows (Determine the root cause)**

- Power failures
- Failure of pump or controls at pump station
- Too much infiltration/inflow
- Sewer blockages
- Rising main break
- Human error
- Sabotage

### **Sewer overflow volume**

- Determine sewage overflow duration and time
- Indicate overflow volume recovered

***[Record in the Overflow notification form and Incident report]***

## **ENVIRONMENTAL CONSIDERATIONS**

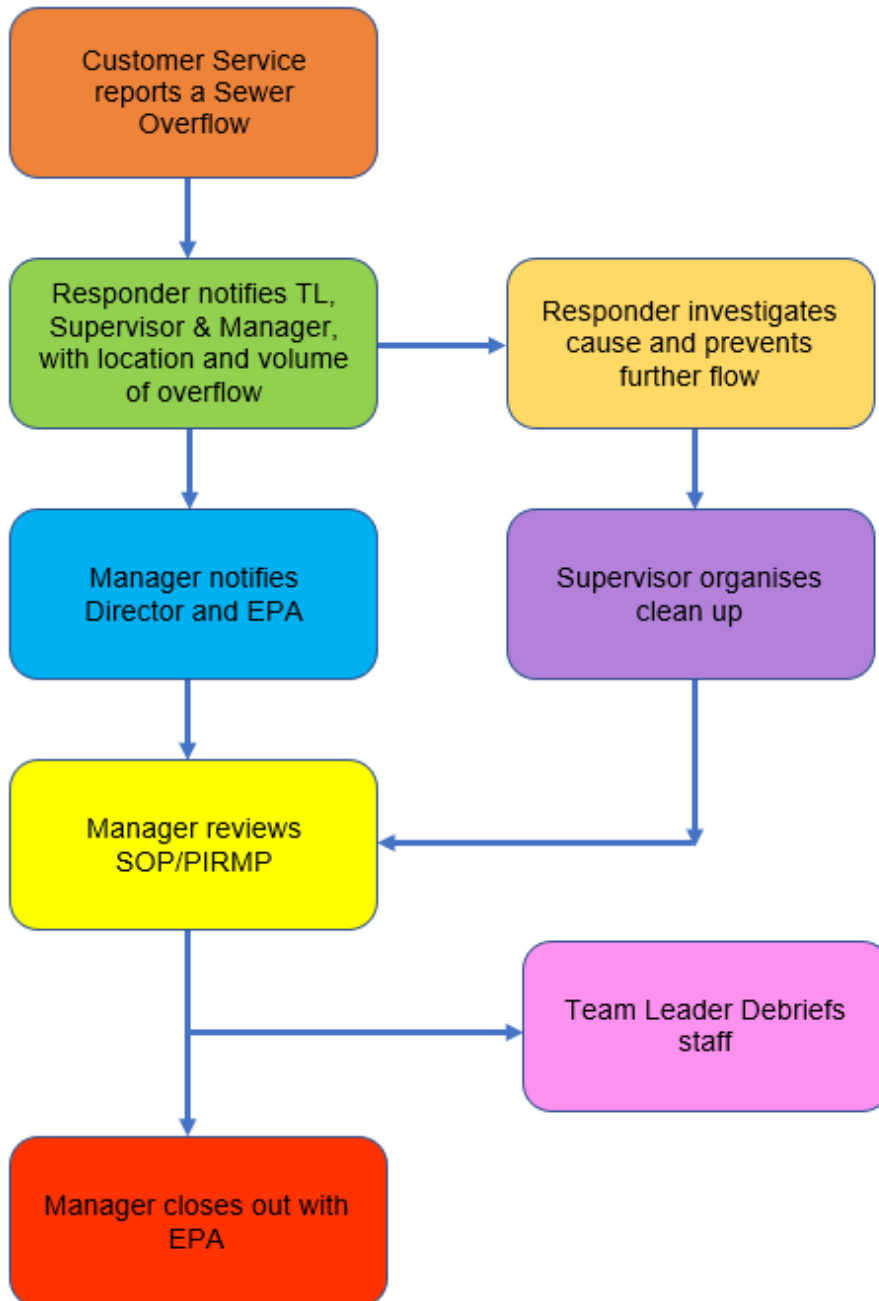
1. Consider all environmental factors when working around members of the public

## **HOUSEKEEPING**

1. Keep the working area in a clean and tidy condition

**SAFE OPERATING PROCEDURE  
SEWER - SANITARY OVERFLOWS**

**Flowchart**





## c) Safe Operating Procedure – Emergency Spills

### SAFE OPERATING PROCEDURE EMERGENCY SPILLS



May 2018

#### MANDATORY PPE:



#### AS REQUIRED PPE



#### PROCEDURE

1. Ring Emergency Services 000 then call team leader
2. Provide first aid assistance if necessary. Ensure you don't put yourself or any other personnel at risk
3. Isolate the area and barricade if possible
4. If Non Toxic and is safe too, contain spill using spill kits
5. Lay Socks and Booms around drains and water channels to prevent environmental issues
6. Lay absorbent mats over spill
7. Use absorbent material over area to soak up any excess
8. Allow spilt material to be fully absorbed
9. Clean up all mats and socks and dispose of as per spill kit instructions
10. Depending where spill occurred, sand may need to be spread over spill area
11. Monitor Area
12. Pack up area, leaving clean and safe
13. Restock Spill Kit

#### SPILL RESPONSE KIT INSTRUCTIONS

<b>STOP</b>	When spill occurs <b>STOP</b> at source
<b>CONTAIN</b>	Use Booms to <b>CONTAIN</b> the spill
<b>ABSORB</b>	Use pads to <b>ABSORB</b> the spill
<b>DISPOSE</b>	<b>DISPOSE</b> of used absorbent in waste bag
<b>REPORT</b>	<b>REPORT</b> the incident
<b>RESTOCK</b>	<b>RESTOCK</b> the kit after use

#### ENVIRONMENTAL CONSIDERATIONS

1. Consider noise when working around members of the public.
2. Incremental weather
3. All used spill cleaning items to be disposed of correctly
4. Ensure all drains are sealed

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Wagga Wagga City Council  
Safety Team  
02 6926 9284

### **13. Forms of the Plan**

A written copy of the plan must be kept on all sites and be able to be provided to an authorised EPA Officer on request. Electronic versions are also available on the Internet via Councils website. As per **POEO Act 1997 – Section 153D – Keeping of the Plan**

### **14. Relationship with other Emergency Plans**

In the event of an environmental pollution incident staff must follow this Pollution Incident Response Management Plan. However, should an incident require the evacuation of staff the existing Emergency Plan procedure must be followed.

It must be noted that Wagga Wagga City Council must still meet its obligations under the “Pollution Incident Response Management Plan” even in the event of an emergency evacuation.

### **15. Training for Council Staff**

Regular tool box meetings are held at least once a month where the training requirements for the staff are discussed. Training is also provided for the use of the plan to ensure that all staff is aware of the content, processes and requirements of the plan to competently implement if necessary.

Councils People and Culture Division maintain relevant operator training and certification records. WWCC has several formal training requirements to enhance and improve job knowledge, skills and abilities of staff. The plan will be tested randomly by dummy runs to check the effectiveness of the plan. Testing records will be maintained in the PIRMP testing register. Undertaking the use of the plan during an actual event will constitute as training for the WWCC staff.

### **16. Communicating with Neighbours**

Impacts on the community due to sewage reticulation and treatment plant pollution incidents are variable and depend on location, volumes of spills or other factors. Communication methods will be used on a case by case basis and in all situations Wagga Wagga city council will attempt to provide early warnings to directly affected neighbours by the mechanism described below. Early warnings are to include details of what the imminent incident is, how those affected can prepare and respond to the incident and provide important advice such as avoiding contact and use of affected waterways.

This plan will include allocating appropriate responsible person to notify and co-ordinate with affected community members. In the event of pollution incident Wagga Wagga city Council attempt to provide early warnings to directly affected neighbours by following mechanisms as appropriate.

- Telephone calls or door knocking (where appropriate)
- Mail box drops
- Warning signs
- Local media source (radio/news papers)
- Wagga Wagga City Council webpage updates and media releases;
- Wagga Wagga City Council Website [www.wagga.nsw.gov.au](http://www.wagga.nsw.gov.au)

Sewer Network  
Pollution Incident Response Management Plan

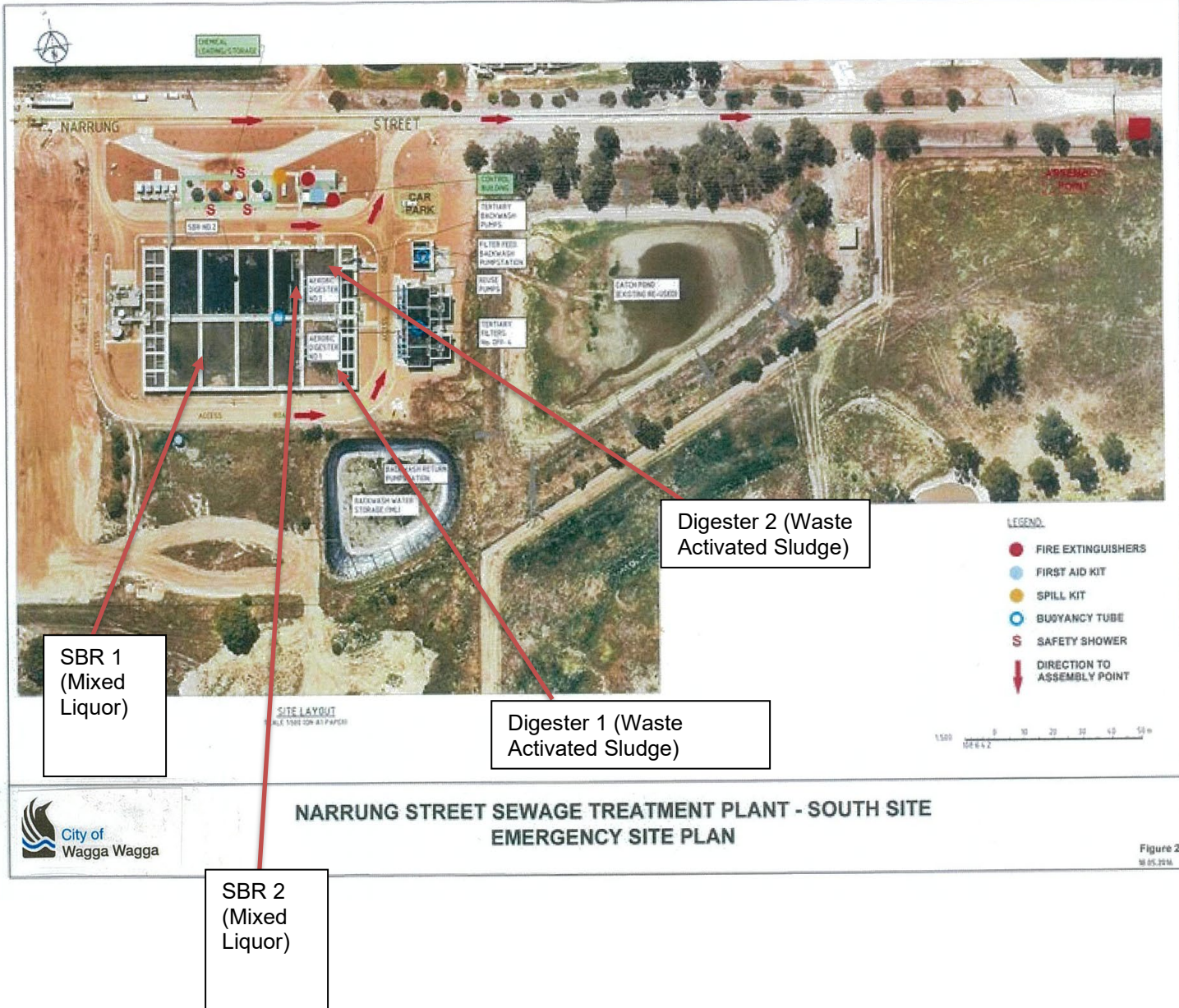
Narrung Sewage Treatment Plant has a number of residential properties close to the treatment plant, the nature and the severity of the incident will determine the most appropriate neighbours/properties to be notified.

Koorinal Sewage Treatment Plant is surrounded by a number of residential properties. The nature and the severity of the incident will determine the most appropriate neighbours/properties to be notified.

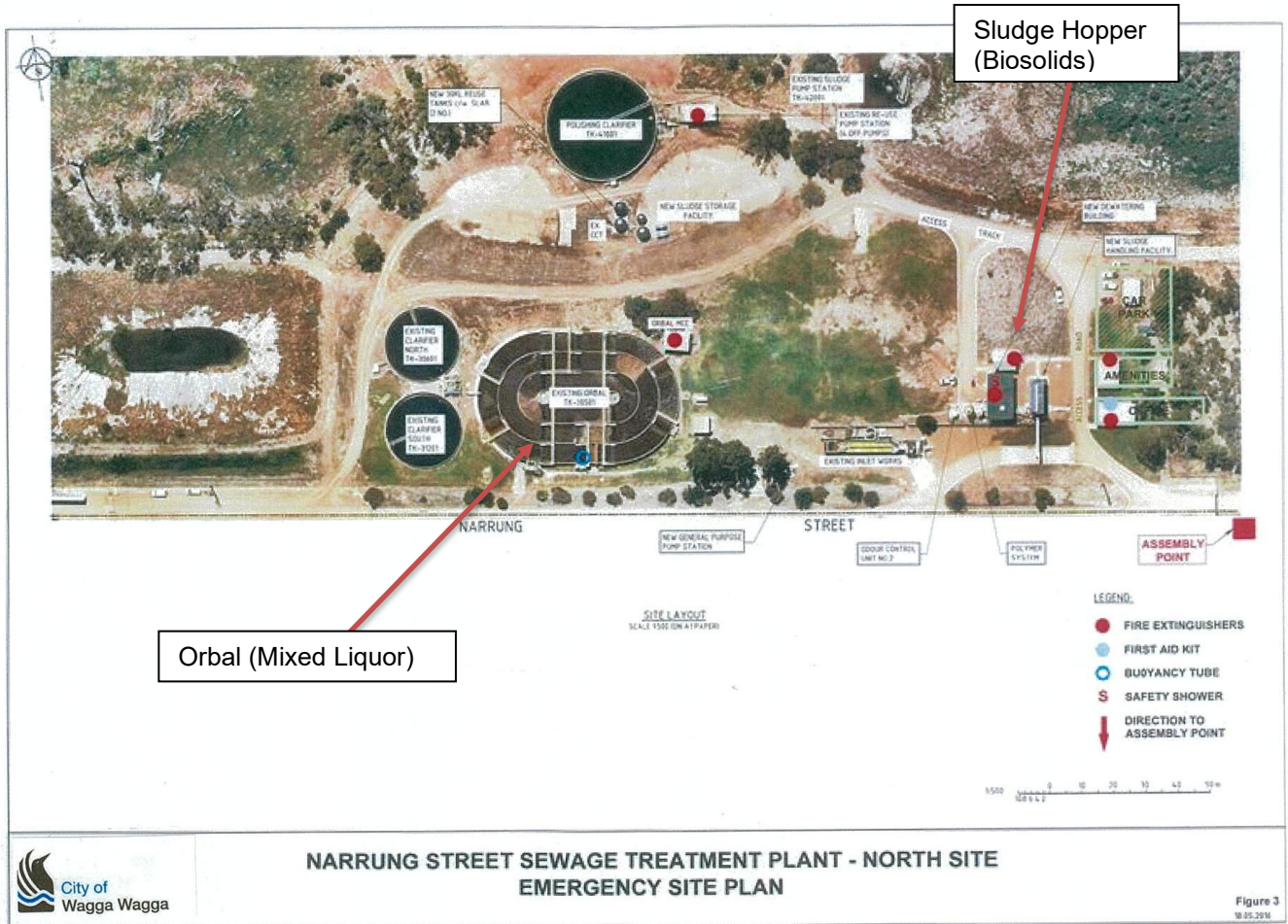
Forest Hill Sewage Treatment Plant has no immediate neighbours, however nearby South Tahara forest is likely to be affected in the event of a pollution incident. Contact details of the manager of South Tahara property are included in the contact list.

Bomen Industrial Sewage Treatment Facility's nearest neighbours are 500m uphill from the facility.

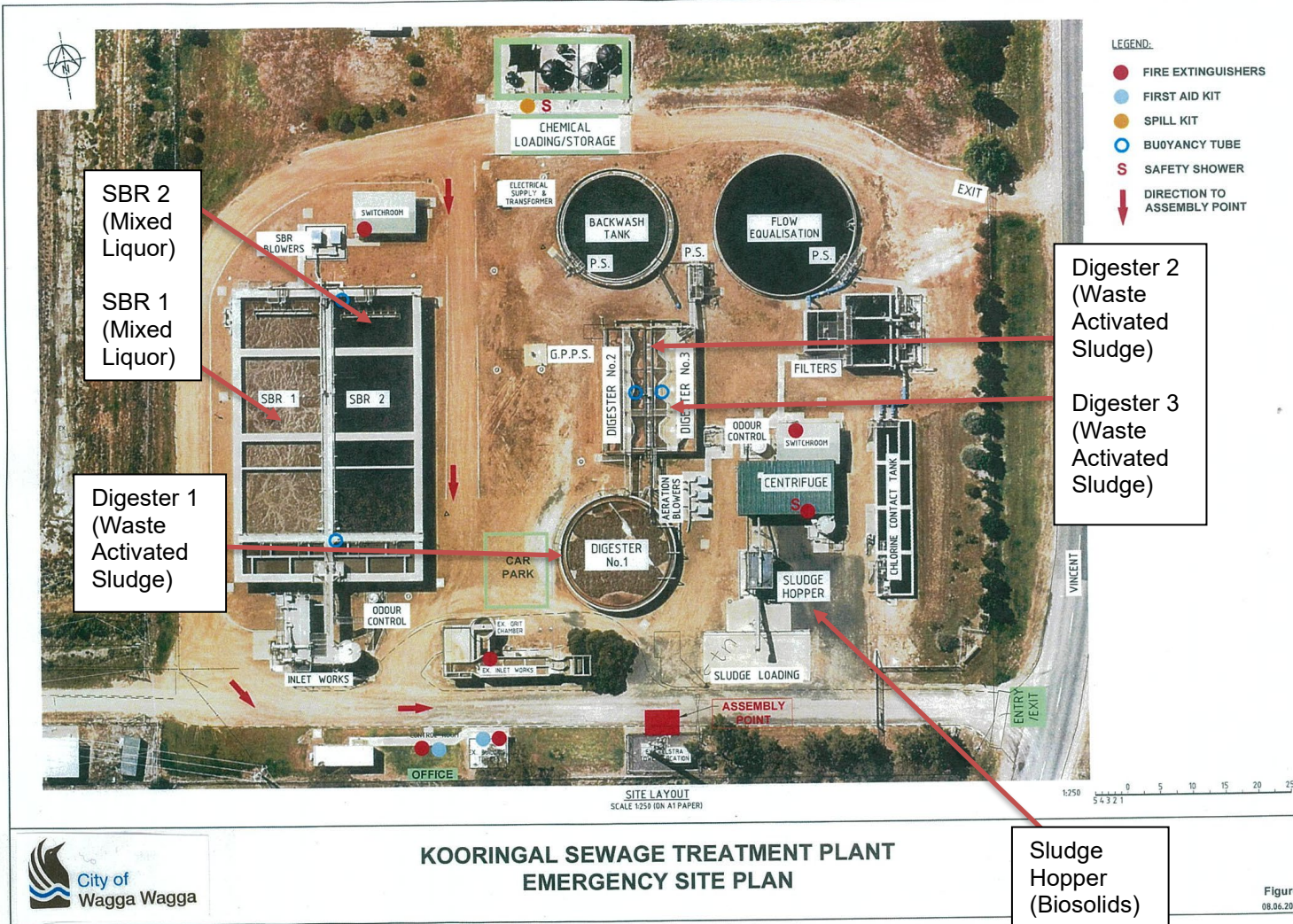
# Attachment 1: Narrung St Sewage Treatment Plant – South Site Emergency Site Plan



# Attachment 2: Narrung St Sewage Treatment Plant – North Site Emergency Site Plan



# Attachment 3: Koorungal Sewage Treatment Plant – Emergency Site Plan



# Attachment 4: Bomen Industrial Treatment Facility – Emergency Site Plan



Sewer Network  
Pollution Incident Response Management plan

## Appendix 1: Sewerage network - Risk Assessment

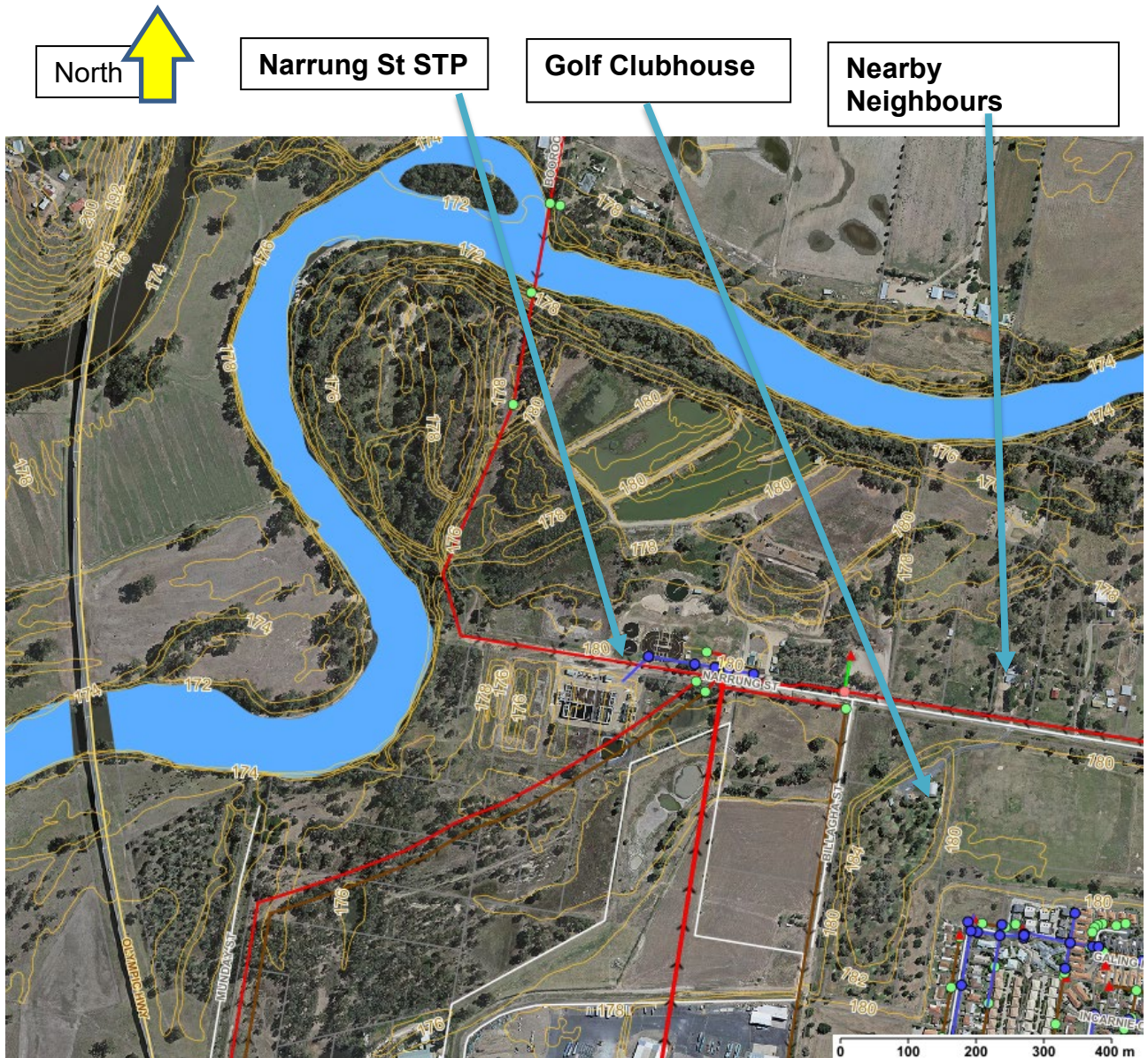
Description of Pollution Incident	Likelihood	Impact	Contributing factors
Dry weather overflow from reticulation system during dry weather.	Low	High	refer to PRP 100 Sewer Reticulation overflow Investigations report (Section 3.1.2)
Dry weather bypass Narrung and Koorungal Sewage treatment plant to the Murrumbidgee river and Marshall creek.	Low	High	Mechanical failure of plant and equipment. Fault with tertiary filter pump station.
Wet weather bypass from the reticulation system during wet weather.	Low	High	refer to PRP 100 Sewer Reticulation overflow Investigations report (Section 3.1.2)
Wet weather bypass at Narrung, Koorungal sewage treatment plant and untreated sewage discharge to Murrumbidgee river and Marshall creek.	Low	High	Prolonged periods of heavy rain, design plant capacity is not sufficient to treat the incoming flow. Mechanical failure of equipment
Filter pump station failure/blockage at both Narrung and Koorungal sewage treatment plants	Low	High	Mechanical failure, Filter blockage due to backwash sequence failure.
Mechanical failure at Narrung and Koorungal sewage treatment plants	Low	High	Lack of maintenance, sequence failure. Fire damage or prolonged period of heavy rain.
Act of vandalism or target of terrorist activity	Low	Medium	Security monitoring system failure, Increased fire risk during hot and dry weather periods.
Effluent discharge pipe line breakage.	Low	low	Corrosion due to lack of maintenance, Flow exceeding pipe and pump capacity.
Exceed Environmental Protection Licence discharge limits(EPL)	Low	Low	Mechanical equipment failure or prolonged periods of heavy rain
Significant environmental disaster	Low	Low	Floods, earth quake or prolonged power outages
Chemical leak or spillage	Low	High	Human error, lack of equipment maintenance Dry weather, prolonged periods of high temperature and low humidity.
Rupture of chemical storage tank or process vessel.	Low	High	Lack of site maintenance and equipment failure.



## Appendix 2: List of sewage pump stations covered in this PIRMP

Sewer pump station	Location	EPA Number	Licence
1. Shepherd street	Shepherd street	393	
2. Forsyth Street	Forsyth Street	393	
3. Simmons street	Simmons Street	393	
4. Bolton Park	Morgan Street	393	
5. Wagga Beach	Johnston Street	393	
6. Shaw Street	Shaw Street	393	
7. Flowerdale	Sturt Highway	393	
8. Boorooma Street	Davidson Street - North Wagga	393	
9. Cartwright Hills	Horseshoe Road	393	
10. Wiradjuri	Travers Street	393	
11. Murrumbidgee Turf Club	Slocum Street	393	
12. CSU	Pine Gully Road - Gobbagombalin	393	
13. Olympic HWY (old 61)	Boorooma ,Olympic HWY	393	
14. Wagga Boat club	Nelson Drive –Lake Albert	392	
15. Hammond Avenue	Nesbitt Street – East Wagga	392	
16. Koorinal	Koorinal Road –Lake Albert	392	
17. Cleardale	Stuart-East Wagga	392	
18. Industrial	Wentworth street- East Wagga	392	
19. Estella	Old Narrandera road	393	
20. Graceland	Graceland-Koorinal Road	392	
21. Smith Street	Sturt Highway-Forest Hill	1670	
22. Elizabeth Avenue	Braehour Road –Forest Hill	1670	
22A. Paperbark Drive	Paperbark Drive Forest Hill	1670	
23. Ashmont (fye 22)	Sturt Hwy & Olympic HWY	393	
24. Lake Haven West	Lake Haven Drive- Lake Albert	392	
25. Lake Haven East	Lake Haven Drive- Lake Albert	392	
26. Kyeamba	Edison street –East Wagga	392	
27. Tarcoola	Tarcoola road –East Wagga	392	
28. Equex	Copeland Street – East Wagga	392	
29. Gobba	Gobbagombalin	393	
31. Uranquinty	King Street-Uranquinty	N/A	
33. SPS 33 Harris Rd	Harris Rd	393	
34. Tarcutta	Hilton Drive -Tarcutta	N/A	
45. Mangoplah North	Mangoplah	N/A	
46. Mangoplah South	Mangoplah	N/A	
47. Ladysmith	Keajura Street-Ladysmith	1670	
48. Shanty	Tumbarumba Road-Alfred town	1670	
49. Crooked Creek	Crooked Creek – Lake Albert	392	
50. Spring St	Spring St - central	393	
51. Frederick	Frederick Street – North Wagga	393	
52. Henry	Henry Street – North Wagga	393	
53. William Street	William Street- North Wagga	393	
54. Marah Street	Marah Street-North Wagga	393	
55. Mill Street	Mill Street – North Wagga	393	
56. Moorong Street	Flowerdale Road - Moorong	393	
57. Airport	Don Kendall Road-Forest Hill	1670	
58. Governors Hill	Governors Hill	392	
Temp Farrer Road	Temp Farrer Road	393	
Temp Mangrove Crescent	Mangrove Cres Forest Hill	1670	

## Appendix 3: Narrung Street Sewage treatment plant immediate neighbours

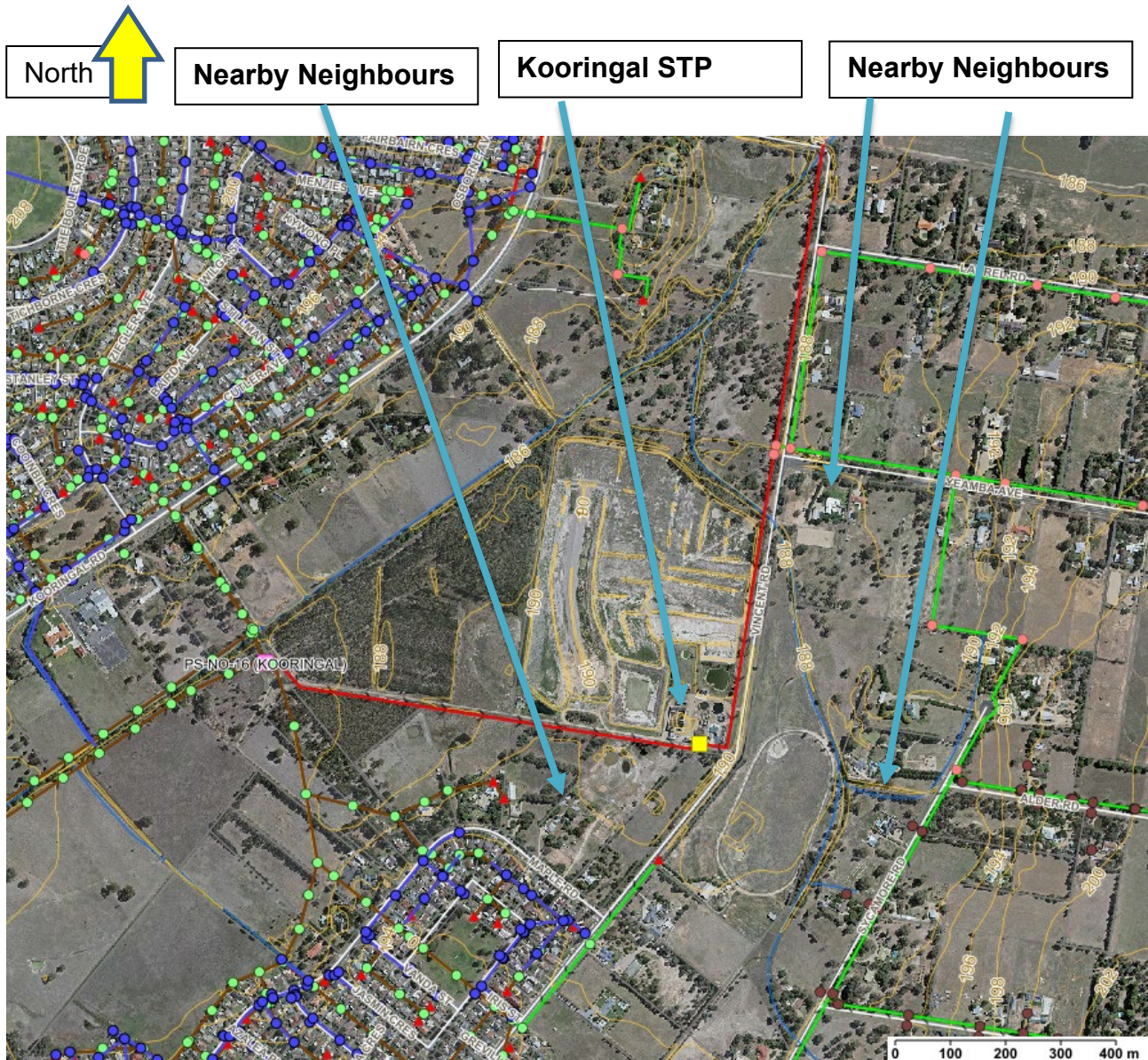


### Key:

Marker	Description
Red line, Green dot	Rising sewer main and sewer node
Brown line, Green dot	Recycled water main
Blue line, Blue dot	Stormwater line and node*
Orange line	Topographic contour; interval 2m

\* Note stormwater line and nodes at Narrung St STP.

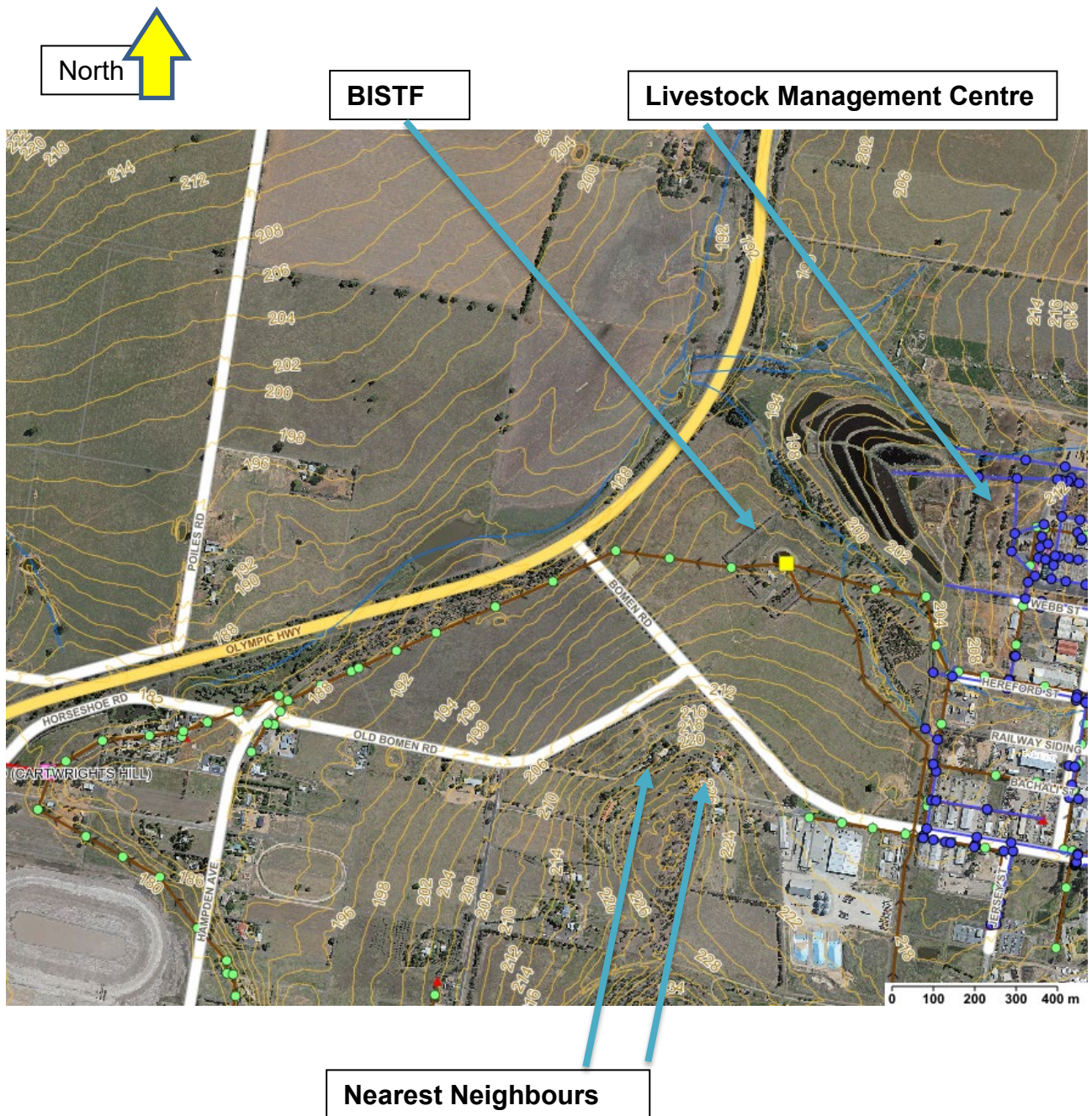
## Appendix 4: Koorungal Sewage treatment plant immediate neighbours



### Key:

Marker	Description
Red line, Green dot	Rising sewer main and sewer node
Brown line, Green dot	Gravity sewer main and sewer node
Blue line, Blue dot	Stormwater line and node
Green line, Brown dot	Pressure sewer main and node
Orange line	Topographic contour; interval 2m

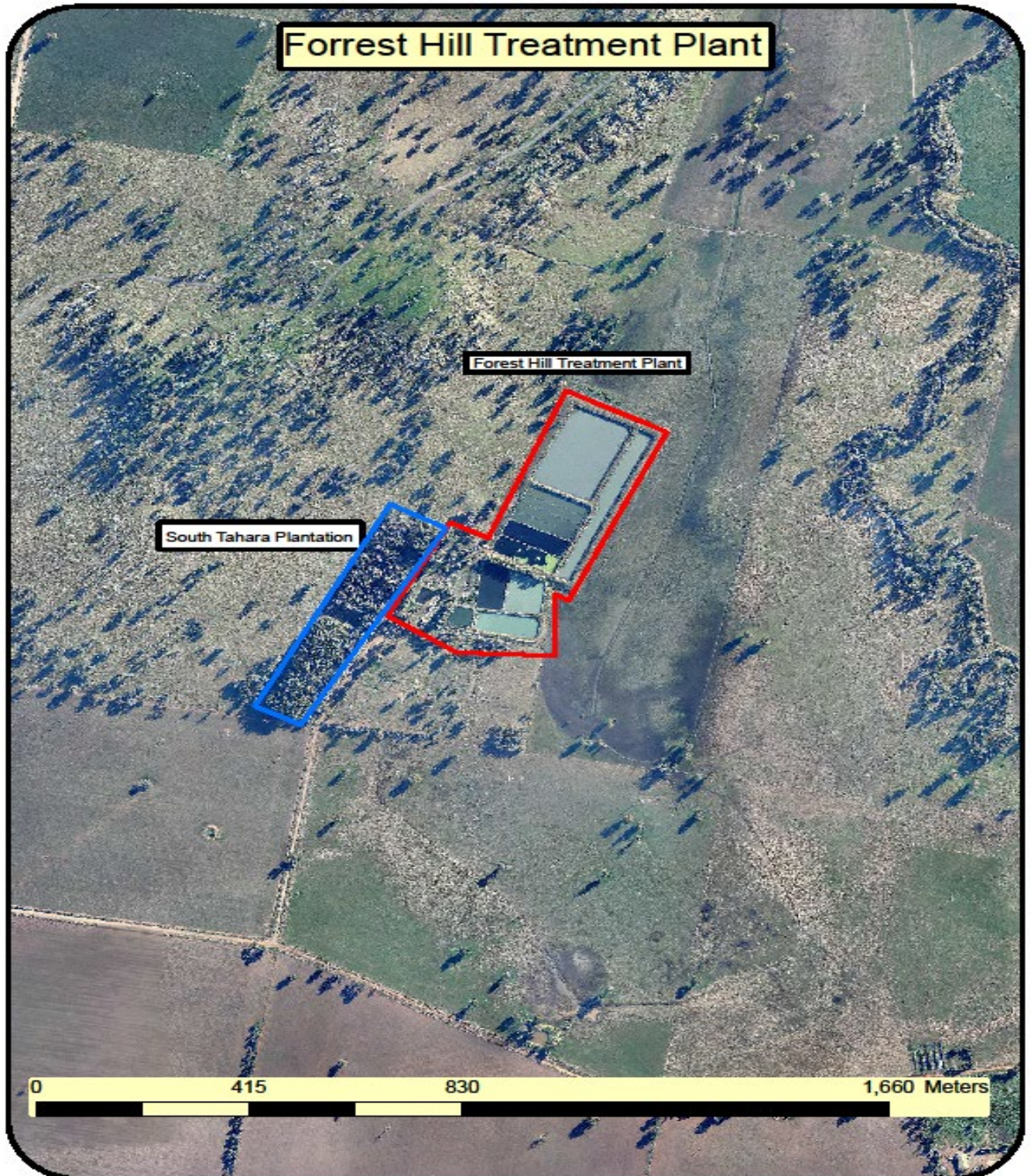
## Appendix 5: BISTF immediate neighbours



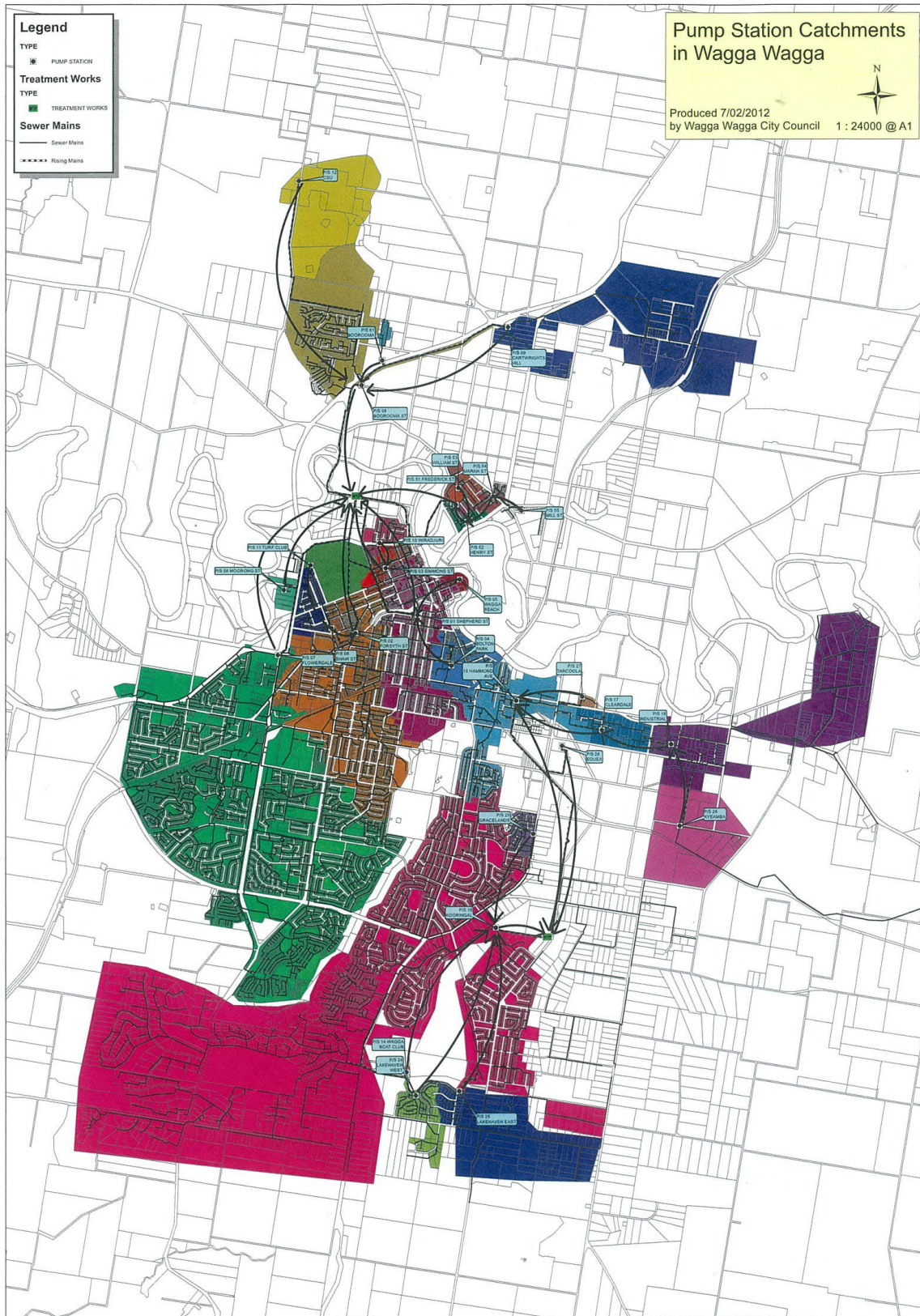
**Key:**

Marker	Description
Brown line, Green dot	Gravity sewer main and sewer node
Blue line, Blue dot	Stormwater line and node
Orange line	Topographic contour; interval 2m

## Appendix 6: Forest Hill sewage treatment plant










# Appendix 7: Wagga Wagga City Council sewer pump station catchment



## Appendix 8: Testing of the Plan

This plan must be tested once every 12 months. The information provided must be up to date (in particular the 24hr contact phone numbers for key personnel), and it must be demonstrated that it is capable of being implemented in a workable and effective manner if requested by the EPA. Testing of the plan is to include both desktop simulations and practical exercises and training drills. Testing must cover all components of the plan including the effectiveness of training.

In addition to routine annual testing, this plan will be tested and reviewed within one month of a pollution incident occurring as part of an investigation into the incident.  
[POEO Act 1997 – Section 153E – Testing of the Plan]

Testing of the PIRMP		Dissemination and Acknowledgement by staff I have read and tested these procedures and understand the plans requirements.				
Date	Routine testing (Details in brief)	Routine updates	Position	Name	Signature	Date
25 <sup>th</sup> August 2023	<p><b>Rising Main damaged by directional drill</b></p> <p>An actual event where a 3<sup>rd</sup> party accidentally bored through the sewer rising main in Broad St. Wagga Wagga. The sewer crew team leaders were contacted by Councils customer service. Team Leaders contacted the pump station technician to turn the SPS pumps off and attended the location. A contractor was engaged to supply a sucker truck. All sewage was contained in the stormwater network-the stormwater pit was blocked off by the sewer crew. The Manager contacted NSW EPA. Sewer staff involved included: Pump Station technician; Team Leaders S/S/F; Supervisor Underground Services; Electrician/Operator and on call reticulation attendants. Repairs were effected and the stormwater assets jettied and vacuumed.</p>	<p>Yes.</p> <p>Emergency contact lists updated.</p> <p>SPS list updated.</p>	<p>Strategic Advisor</p> <p>Pump Station Technician</p> <p>Supervisor Underground Operations</p> <p>Team Leader S/S/F</p> <p>Team Leader S/S/F</p> <p>Manager Wastewater &amp; Stormwater</p> <p>Water Reclamation Team Leader</p> <p>Director Operations</p>	<p>Stephen McKay</p> <p>Daniel Smallwood</p> <p>Vacant</p> <p>James Tapfield</p> <p>Wayne Jones</p> <p>Ramesh Sharma</p> <p>Jason Creed</p> <p>Warren Faulkner</p>	      	<p>4/10/23</p> <p>5/10/23</p> <p>n/a</p> <p>6-10-23</p> <p>9-10-23</p> <p>9-10-2023</p> <p>9-10-2023</p> <p>11-10-2023</p>