



Pollution Incident Response Management Plan

East Lismore – Sewage Treatment Plant

Licence 725

(This PIRMP is prepared in compliance with the requirements of the *Protection of the Environment Legislation Amendment Act, 2011* (POELA Act))

- Licensees must keep a copy of this plan at the premises
- Licensees must test the plan every 12 months
- If a pollution incident occurs, where there is a “material harm to the environment” the plan must be implemented.

Document Control

Rev	Date	Comment	Prepared	Reviewed
V07	19/03/2023	Updated Chemical Register, contacts, inserted trained personnel list	Harini Pani	Robert Pursey
V06	14/02/23	Updated Chemical Register, contacts, inserted trained personnel list	Harini Pani	Stephen Brown
V05	5/7/22	Updated chemical register and contact information	Garon Clough	Matt Potter
V04	27/4/21	Updated Contact details following PIRMP annual testing	James Fidock	Garon Clough

Contents

Document Control	2
1.0 Description and Likelihood of Hazards.....	4
2.0 Pre-emptive Actions Taken	4
3.0 Inventory of Pollutants held at the STP.....	5
4.0 Safety Equipment	7
5.0 Contact Details	7
6.0 Communication with Neighbours and the Local Community.....	8
7.0 Minimising Harm to Persons on the Premises	8
8.0 Action to be Taken During or Immediately After a Pollution Incident	8
9.0 Staff Training.....	8
10.0 Testing Plans	9
11.0 STP Plant Implementation	9
12.0 Sewerage Reticulation Implementation.....	9
13.0 Maps	10

1.0 Description and Likelihood of Hazards

A pollution incident, in accordance with the Environmental guidelines: preparation of pollution incident response management plans, is defined as *“an incident or set of circumstances during or as a consequence of which there is likely to be a leak, spill or other escape or a 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 the emission of any noise.”*

Description of the Sewage Treatment Plant

East Lismore Sewage Treatment Plant (STP) is located on Wyrallah Road, East Lismore.

It is a BNR plant, totally enclosed by a flood bunding designed to withstand a 1 in 100 year flood.

Description of Hazards

In identifying the risks to the environment and staff due to any incident, an analysis was carried out on the Inventory of Pollutants.

It was determined that risks to the environment would occur from two scenarios:

1. an incident occurring at the STP, and
2. raw sewage overflow incident occurring at a component of the sewerage system.

The only risk to the environment, due to the plant design including bunding and flood levee wall, was due to a MLSS carry over into the environment.

Sewage Treatment Plant

It was determined that any internal spill could be contained onsite.

The risk to staff due to a chemical spill incident is identified in the SDS. Management of these incidents is defined in Council's SWMS and as a consequence all staff that handle chemicals are trained in the SWMS and have completed a chemical handling course.

2.0 Pre-emptive Actions Taken

Council pre-emptive action includes for training and staff:

- Council Induction
- Site Specific Induction
- SDS register onsite
- SDS training
- SWMS Preparation for all tasks
- SWMS training
- Daily toolbox meeting
- The installation of a HazChem box at the entrance to the plant.

Records of all training are managed in accordance with Council's corporate procedure.

Design pre-emptive actions taken are:

- Flood levee
- Bunding for chemicals in compliance with the dangerous and hazardous goods legislation

3.0 Inventory of Pollutants held at the STP

CHEMICALS

Product Name	Dangerous Good Yes/No	Hazardous Substance Yes/No	Main Use	Actual Location	Current MSDS Yes/No	Labelled Yes/No	Quantity Litres/ Kilos	Risk Assessment and Control Comments
Polymer Zetag 9246FS	No	No	Flocking agent	Green Storage Shed, polymer stand Dewatering Container	Yes	Yes	2000 kg	kept in dry cool place within storage prior to use
Polymer Zetag 9168FS	No	No	Flocking agent	Green Storage Shed, polymer stand Dewatering Container	Yes	Yes	3000 kg	kept in dry cool place within storage prior to use
Sodium Hypochlorite (chlorine)	Yes	Yes	Disinfecting agent	Storage Shed, effluent dosing	Yes	Yes	1000L	Stored in a Bunded area
Aluminium Chlorohydrate (ACH)	No	Yes	Phosphorus. Removal agent	Bulk Chemical storage area	Yes	Yes	30,000 Its	Stored in a Bunded area with restricted access
Chemsearch Nu-Kote	No	No	Protective coating and a rejuvenator.	Storage Shed	Yes	Yes	25lts	Stored in locked storage shed away from direct sunlight and ignition sources

Herbicides and Pesticides

Product Name	Dangerous Good Yes/No	Hazardous Substance Yes/No	Main Use	Actual Location	Current MSDS Yes/No	Labelled Yes/No	Quantity Litres/ Kilos	Risk Assessment and Control Comments
Weedmaster	No	No	Non Selective Herbicide	Storage Shed	Yes	Yes	20lts	Locked in work shed on spill tray
Tom Cat (rat bait)	No	No	Rat Poison	Storage Shed	Yes	Yes	15kg	Locked in work shed on spill tray

Cleaning Agents

Product Name	Dangerous Good Yes/No	Hazardous Substance Yes/No	Main Use	Actual Location	Current MSDS Yes/No	Labelled Yes/No	Quantity Litres/ Kilos	Risk Assessment and Control Comments
Decon 90	No	No	Surface active cleaning agent	Laboratory	Yes	Yes	5lts	Stored & used as per MSDS
Big Wash	No	No	Truck/Car wash fluid	Storage Shed	Yes	Yes	20lts	Stored & used as per MSDS

Paints

Product Name	Dangerous Good Yes/No	Hazardous Substance Yes/No	Main Use	Actual Location	Current MSDS Yes/No	Labelled Yes/No	Quantity Litres/ Kilos	Risk Assessment and Control Comments
DY-MARK Spray & Mark	Yes	Yes	Spray ink	Storage Cupboard within Storage shed.	Yes	Yes	3kg	Stored & used as per MSDS

Fuels and Lubricants

Product Name	Dangerous Good Yes/No	Hazardous Substance Yes/No	Main Use	Actual Location	Current MSDS Yes/No	Labelled Yes/No	Quantity Litres/ Kilos	Risk Assessment and Control Comments
Unleaded petrol	Yes	Yes	Combustion Engine Fuel	Fuel Cupboard Storage Shed	Yes	Yes	30lts	Fuel Cupboard inside Storage Shed
Diesel	No	Yes	Combustion Engine Fuel	Fuel Cupboard Storage Shed	Yes	Yes	30lts	Fuel Cupboard inside Storage Shed
Stihl 2 Stroke Lube	No	No	Engine Oil Lube	Fuel Cupboard Storage Shed	Yes	Yes	500mls	Fuel Cupboard inside Storage Shed
Diesel	No	Yes	Combustion Engine Fuel	Bulk Storage Tank at Flood Pump Station	Yes	Yes	3,000lts	Stored within a bulk storage tank with bunding

4.0 Safety Equipment

All safety equipment is provided in accordance with Council policy and SDS requirements.

Training is provided in the use of safety equipment when staff perform their training in SWMS.

5.0 Contact Details

All contact details of staff are listed on Council's Intranet, and "Works – Wyrallah Road Depot" contact list.

Council after hour telephone number shall be the first point of contact. 1300 878 387

In the event of any incident the following staff are contacted (in order of priority of contact):

- Co-ordinator Water Treatment and Trades – Stephen Brown (0419 564 627)
- Treatment Plants Process Engineer – Harini Pani (0470 636 793)
- Manager Water and Wastewater – Tom Lloyd (0408 229 176)

Other contact details are:

- Emergency Services (000)
- Ambulance (6621 2126)
- Essential Energy (132 080)
- Elgas (131 161)
- EPA Pollution Line (131 555)
- Fire Brigade – Goonellabah (6624 5384)
- Fire Brigade – Lismore (6621 5660)
- Hospital – Lismore (6621 8000)
- Hospital – Nimbin (6689 1400)
- NSW Health (1300 555 555 ask for pager 48073 if no response phone Assistant Director Public Health 0407 904 280)
- Poisons Information (131 126)
- Police – Lismore (6626 0799)
- Police – Nimbin (6689 1244)
- Rural Fire Service (6663 0000)
- SES – Brunswick Street (6621 9400)
- SES – Brunswick Street (6627 7022)
- SES – Duty Officer (0407 219 400)
- Summerland Security (6625 5920)
- Telstra (6622 1863)
- Workcover (9214 9220)
- Waste Facility – Charlie Crethar (0427 284 263)
- Hole in one golf – 66213845
- Wyrallah Road Gun Club – (0427 935 850)

6.0 Communication with Neighbours and the Local Community

East Lismore STP is neighbours with Council's waste management facility, Wyrallah Road gun club and hole in one golf.

In the case of any incident requiring notification contact details are listed above.

Local community shall be contacted if needed, in accordance with Council's Emergency Management Plan procedure.

7.0 Minimising Harm to Persons on the Premises

All staff are inducted and trained in the use of PPE in their operations.

All staff working onsite shall be immunised against the appropriate disease in accordance with Council's vaccination protocol.

All chemical handling will be in accordance with the requirements of the relevant SDS, kept onsite.

All treatment plant operators and landscapers handling chemicals shall have appropriate chemical handling training.

In the event of an incident occurring, the emergency onsite alarm shall be activated with all staff mustering to the Emergency Assembly Area.

Instructions to staff for immediate action shall then be determined.

8.0 Action to be Taken During or Immediately After a Pollution Incident

The following shall occur if a reportable incident occurs:

1. Contact Coordinator Water treatment and trades (if there is an incident at the STP site) Stephen Brown on 0419 564 627
2. Contact Coordinator Water and Wastewater Blake Brewer Charles on 0437 810 483 (if there is an incident within the sewerage system –)
3. Contact Treatment Plant Engineer Harini Pani 0470 636 793
4. Notify EPA through the pollution incident response line 131 555
5. Refer SDS for clean-up procedures
6. Determine follow up actions as necessary.

9.0 Staff Training

All unsupervised staff working onsite shall have the following training:

- Council Induction
- Site induction
- Confined Spaces
- NSW Department of Planning and Environment's Training for non trades STP staff
- Chemical Handling.
- First Aid

10.0 Testing Plans

The testing of this plan shall occur once per year for a simulated incident and staff re-induction into this plan.

All sewage treatment plant staff shall meet at the East Lismore STP for a training exercise on sewage spill containment and chemical tank failure management procedure, managed by the Wastewater Systems Supervisor.

All operations staff shall be trained on an incident, managed by the Maintenance Supervisor. In the case that a pollution incident has occurred in the past 12 months, the response and action of staff to this incident shall be deemed the training exercise.

The names of the attendees taking part in the training exercise shall be recorded on the risk assessment record for the task.

11.0 STP Plant Implementation

In the event of sludge carry over the following actions shall occur (not relevant due to flood repair works)

- Turn off and tag out Lift pumps 1, 2 and 3
- Close off Attenuation Tank with valve at UV ADP 002
- Shut down UV and turn off re-use
- Plant carry over will automatically flow to Tertiary lagoons through ADP 001
- All EPA Tests are to be taken at ADP 001. When this occurs, an independent EPA analysis shall be informed of the change.

In the event of chemical spill:

- The supervisor should be notified of the incident.
- If the contamination can be contained, follow SDS for clean-up procedures.
- A safety spotter with appropriate chemical handling and first aid training should be present during the clean-up.
- Contain and dispose the waste as instructed in SDS.

12.0 Sewerage Reticulation Implementation

After an identified sewage spill is reported and where it has been determined that a pollution incident shall be reported to the EPA, the following shall be implemented immediately:

1. Council's Treatment Plant Engineer shall be notified immediately for an assessment of the situation.
2. Traffic control is to be established, to detour traffic away or pedestrians around the sewage spill area.
3. The spill shall be contained, however possible and all raw sewage pumped out of the containment and deposited safely.
4. The spillage area shall be disinfected then flushed with potable water.

Where the risk of raw sewage contact with the public has occurred or is occurring, Council's Public Health Officers are to be contacted through the Customer Contact Centre and an assessment requested. Following any incident where raw sewage has entered a waterway, Rous Water is also to be contacted, and advised of the incident.

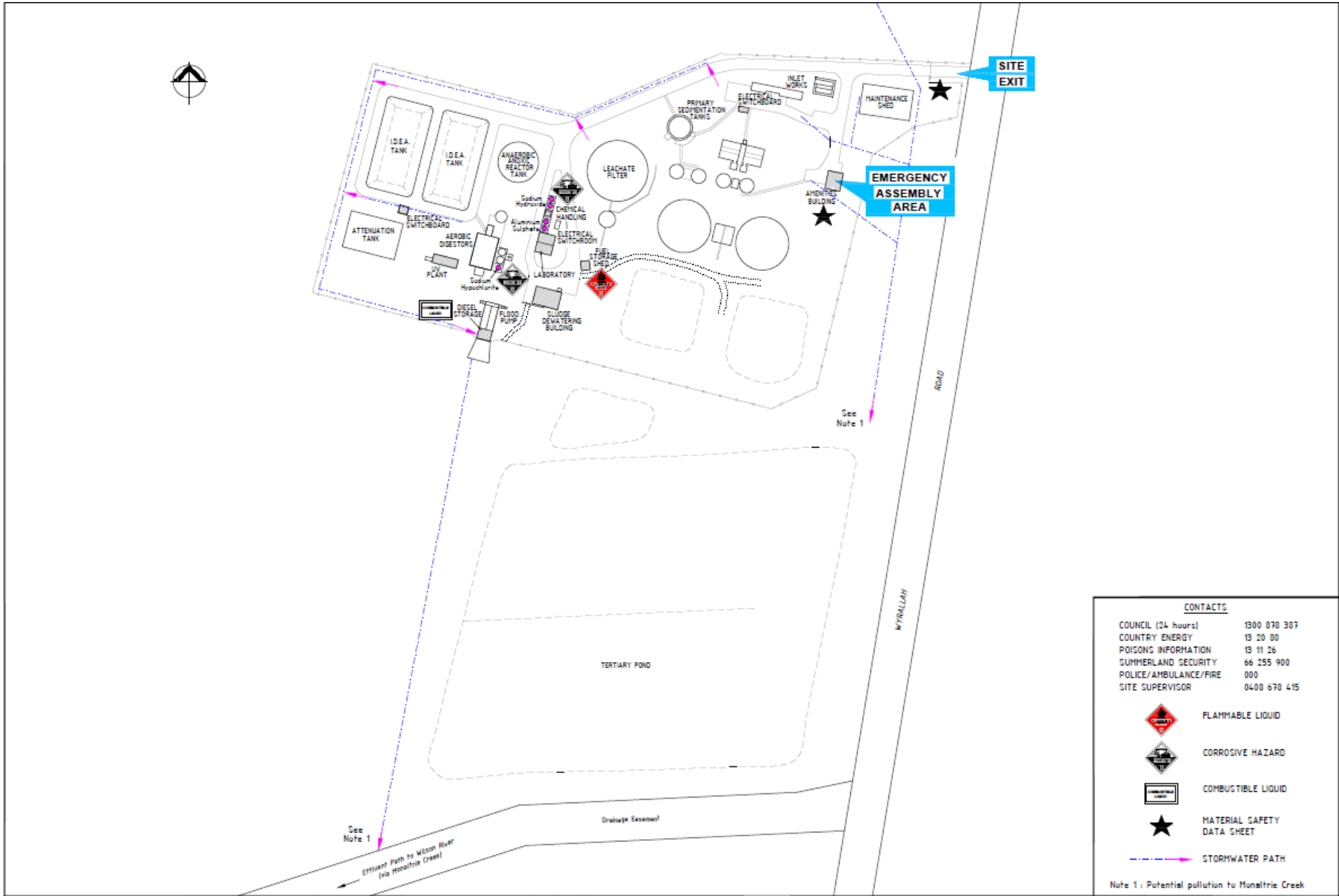
Contact details for Rous Water are:

- rousoperations@rouswater.nsw.gov.au.
- serviceenquirygroup@rous.nsw.gov.au

13.0 Maps

Maps of the reticulation network are available on Council's GIS software.

Map of site and evacuation location contained within document.



CONTACTS	
COUNCIL (24 hours)	1300 070 307
COUNTRY ENERGY	13 20 80
POISONS INFORMATION	13 11 26
SUMMERLAND SECURITY	66 255 900
POLICE/AMBULANCE/FIRE	000
SITE SUPERVISOR	0400 670 415

	FLAMMABLE LIQUID
	CORROSIVE HAZARD
	COMBUSTIBLE LIQUID
	MATERIAL SAFETY DATA SHEET
	STORMWATER PATH

Note 1: Potential pollution to Monaltrie Creek

PLAN 1:1000 A1	SCALE: 0 10 20 30 40 50m	APPROVED	AMENDMENTS	BY	DATE	SERVICES	DATE	ACTION
LONG SECTION	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
CROSS SECTION	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE

LISMORE CITY COUNCIL

EAST LISMORE WASTE WATER TREATMENT WORKS
POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN

DIRECTORY: G:\WATER & SEWER\Gwwer\Treatment Works\East\Site Plans\Pollution Management Plan.dwg

PLAN No.