



Pollution Incident Response Management Plan

South Lismore – Sewage Treatment Plant

Licence 844

(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

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 Plant

South Lismore Sewage Treatment Plant (SLSTP) is located at 136 Three Chain Road, South Lismore.

It is an IDEA plant, being tertiary treated by cloth filters and a U.V channel before discharging into Hollingsworth Creek.

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. a raw sewage overflow incident occurring at a component of the sewerage system.

It was determined that any internal spill could be contained onsite or contained within the Effluent Balance Tank, and as there are 3 days' storage available in this tank, the risk of pollution to the environment is negligible.

The risk to staff due to a chemical spill incident is identified in the MSDS. Management of these incidents is defined in Council's SWMS/JSA's and as a consequence all staff who handle chemicals are trained in the SWMS/JSA's 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
- MSDS register onsite
- MSDS training
- SWMS for all High risk tasks
- SWMS training
- JSA'S for Daily duties
- 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:

- EBT
- Facultative Ponds
- Wetlands
- Bunding for chemicals in compliance with the dangerous and hazardous goods legislation.

3.0 Inventory of Pollutants

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
Sodium Hypochlorite (caustic)	Yes	Yes	Disinfection agent	Bulk Chemical storage area	Yes	Yes	1500 lts	Stored in a bunded area
Polymer Zetag 9146fs	no	no	Flocking agent	Poly dosing area	yes	yes	1000lts	Kept in a cool dry place within poly prep building
Hydrated Lime	yes	yes	P.H correction	Lime storage area	yes	yes	1 to bulka bag	Stored in lime storage area In lime shed
Aluminium Chlorohydrate (ACH)	No	Yes	Phosphorus. Removal agent	Bulk Chemical storage area	Yes	Yes	30,000 lts	Stored in a Bunded area with restricted access

Herbicides and Pesticides

Roundup	No	Yes	Non Selective Herbicide	Storage Shed	Yes	Yes	2 0lts	Locked in workshed
Weedmaster	No	No	Non Selective Herbicide	Storage Shed	Yes	Yes	2 0lts	Locked in workshed

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
Bushbys hand cleaner	No	No	Hand Cleaner	Amenities/Office Washroom & Laboratory	Yes	Yes	5 lts	Stored & used as per MSDS

Paints

DY-MARK Spray & Mark	Yes	Yes	Spray ink	Storage shed	Yes	Yes	300 g	Stored & used as per MSDS
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Fuels and Lubricants

Unleaded petrol	Yes	Yes	Combustion Engine Fuel	Storage Shed	Yes	Yes	10lts	Fuel cupboard inside storage shed
Diesel	No	Yes	Combustion Engine Fuel	Storage Shed	Yes	Yes	20lts	Fuel cupboard inside storage shed
WD 40 aerosol	Yes	Yes	Penetrating oil lubricant	Storage shed	Yes	Yes	300g	Fuel cupboard inside storage shed
Stihl 2 Stroke Lube	No	No	Engine Oil Lube	Storage Shed	Yes	Yes	500mls	Fuel cupboard inside storage shed

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 the Council Intranet, and “Works – Wyrallah Road Depot” contact list.

Council’s after hour telephone number shall be the first point of contact: 1300 878 387

In the event of any incident the following staff are to be 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 (13 12 33)
- Essential Energy (132 080)
- Elgas (131 161)
- EPA Pollution Line (131 555)
- Fire Brigade – Goonellabah (6624 1311)
- Fire Brigade – Lismore (6621 5660)
- Hospital – Lismore (6621 0200)
- 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 0599)
- Police – Nimbin (6627 6400)
- Rural Fire Service (66215660)
- SES – Brunswick Street (132 500)
- SES – Brunswick Street (6627 7022)
- SES – Duty Officer (0407 219 400)
- Summerland Security (6625 5900)
- Telstra (6622 6299)
- Workcover (6620 6900)
- Adjacent Dog Pound: Animal Rights Rescue Group 02 6622 1881 Three Chain Road, South Lismore www.animalrights.org.au
- Northern rivers quarry- 6625 0500

6.0 Communication with Neighbours and the Local Community

South Lismore STP is neighbours with Council-owned floodplain managed land.

If required the local community shall be contacted in accordance with Council’s Emergency Management Plan procedure.

If in the event of raw sewage entering the dog pound area, the organisation shall be contacted immediately.

7.0 Minimising Harm to Persons on the Premises

All LCC 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 MSDS, kept onsite.

In the event of an incident occurring, the emergency onsite 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. 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 Operator Training for non trades staff
- Chemical Handling
- Certificate 3 in Water Operation.

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 South Lismore STP for a training exercise on sewage spill containment and chemical tank failure management procedure.

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 incident Implementing Plans

In the event of untreated sewage spilling the plant the following shall occur:

- Close all cloth filters and send all water to the EBT
- Isolate inlet valves to the wetlands

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 Operations 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.

If there is a risk of raw sewage contact occurring with the public, Council's Public Health Officers are to be contacted through the Customer Contact Centre and an assessment requested.

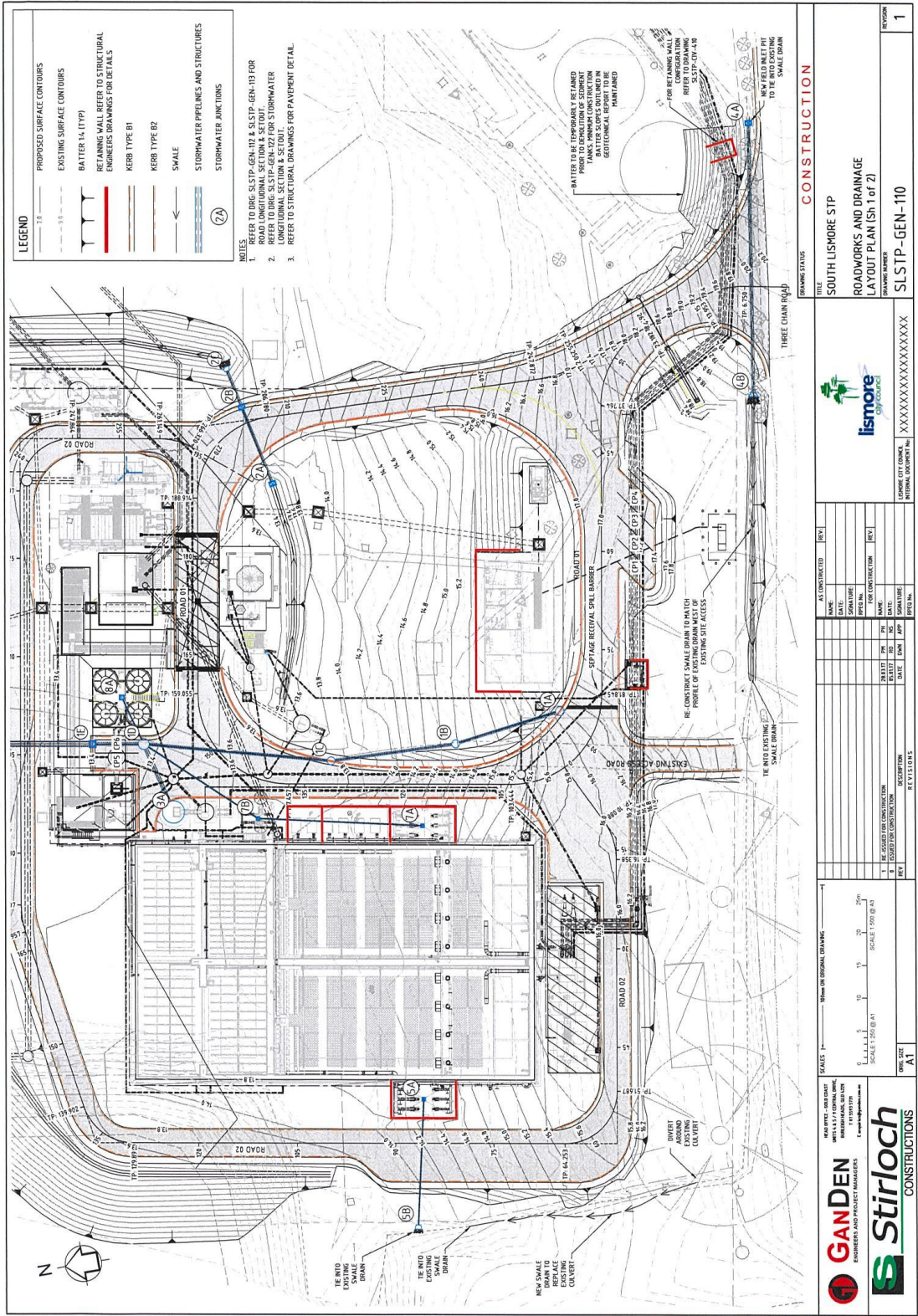
Following any incident where raw sewage has entered a waterway, Rous Water is also to be contacted and advised of the incident.

Contact details for Rous Water are:

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

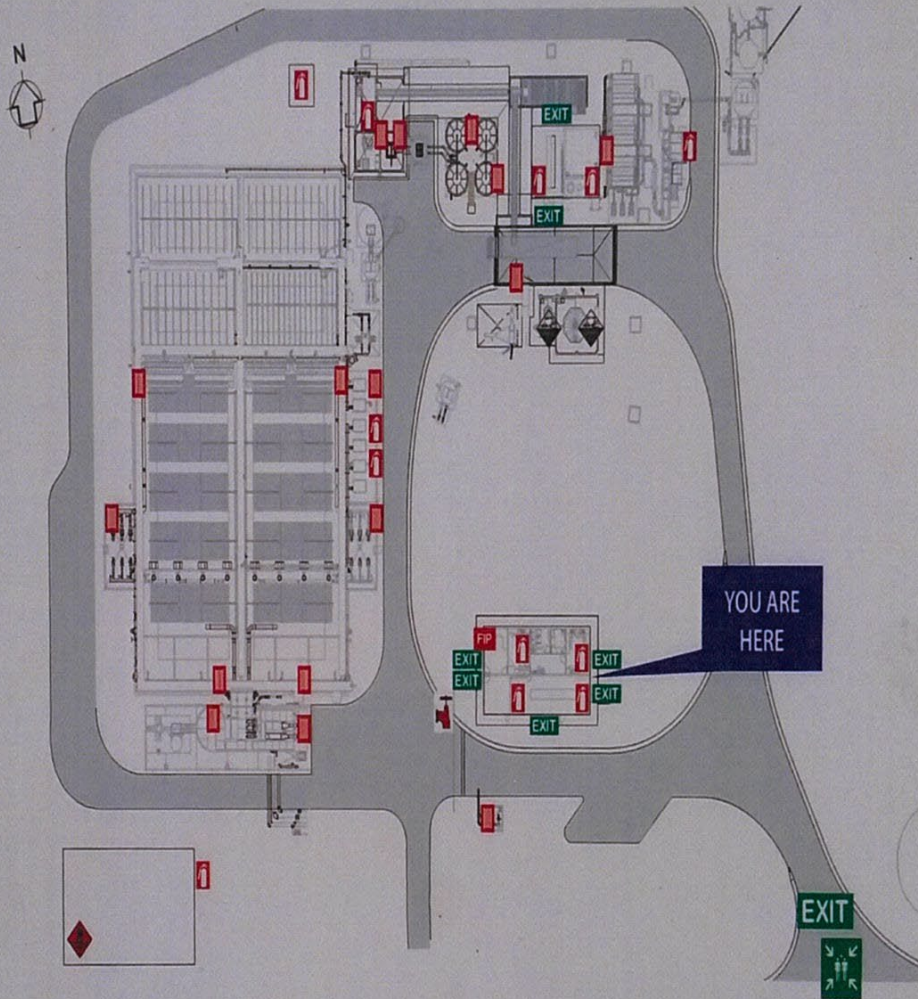
13.0 Maps









Maps of the reticulation are located on Council's GIS system.



EVACUATION DIAGRAM

South Lismore Sewage Treatment Plant - 135 Three Chain Road South Lismore, NSW



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|---|----------------------|---|------------------|
|  | FIRE EXTINGUISHER |  | FLAMMABLE LIQUID |
|  | HOSE REEL |  | CORROSIVE |
|  | FIRE INDICATOR PANEL |  | ASSEMBLY AREA |
|  | EXIT |  | FIRE HYDRANT |

EMERGENCY CONTACTS

COUNCIL 24 HRS	1800 878 387
ESSENTIAL ENERGY	132 080
POISONS INFORMATION	131 126
SUMMERLAND SECURITY	6625 5900
POLICE/FIRE/AMBULANCE	000