

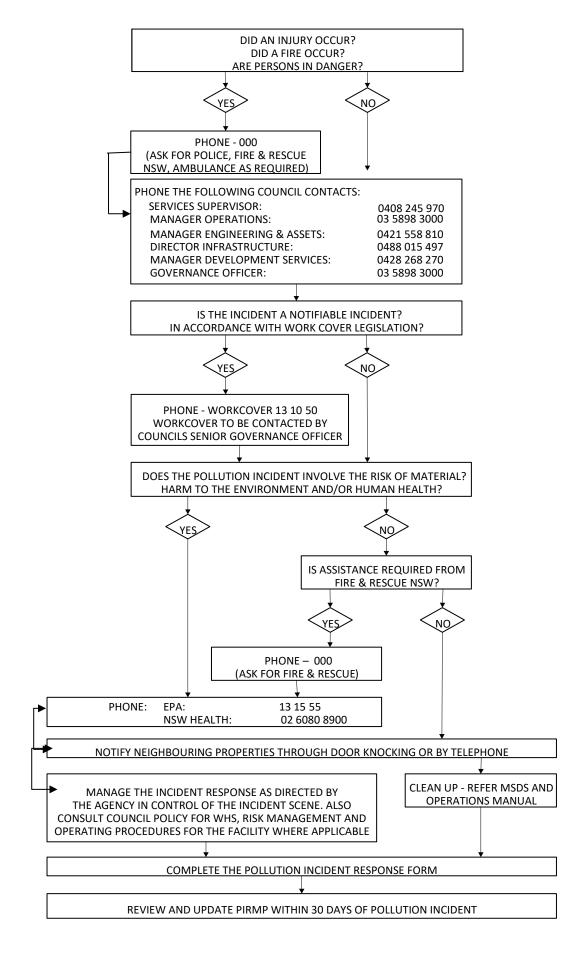
Edward Pollution Incident Response Management Plan

Deniliquin Sewage **Treatment System**

EPA License: 1694

June 2023 (v11)

POLLUTION INCIDENT DECISION FLOWCHART



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1. INTRODUCTION

Council was notified by the EPA in January 2012 of the following (as set out in Part 5.7A of the POEO Act and the Protection of the Environment Operations (General) Regulation 2009 (POEO (G) Regulation)):

- 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); and
- If a pollution incident occurs in the course of an activity so that material harm to the environment is caused or threatened, licensees must immediately implement the plan (section 153F, POEO Act).

This document sets out Council's response to pollution incidents for EPA Licence 1694.

2. DETAILS OF PREMISES

The details of the premises for which this Pollution Incident Response Management Plan (PIRMP) relates to is defined in Section A2 of EPA Licence 1694, as follows:

Deniliquin Sewage Treatment System Calimo Street
Deniliquin
NSW 2710

The nearest cross street is Macauley St

GPS Co-ordinates

Easting	Northing	Longitude WGS84	Latitude WGS84
313255.193	6065507.844	144.940128	-35.536491

Premises Details:

Lots 497, 498 DP722049, Lots 2 & 3 DP1213955, Lots 347, 348 DP756325, Lot 3 DP855869, Lot 527 DP822986 & Lot 489 DP721980

The premises also include the reticulation network and pumping stations owned and operated by the licensee that is associated with the sewage treatment plant (s) identified above.

For Pump Station locations see Appendix F

3. DEFINITION OF POLLUTION INCIDENT

The definition of a pollution incident is:

"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 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.

4. POLLUTION INCIDENT CLASSIFICATION, RISK ASSESSMENT AND CONTRIBUTING FACTORS

A risk assessment and analysis for pollution incidents at the Deniliquin Sewage Treatment System is included in **Appendix A**. This includes:

- Description of potential pollution incidents;
- Risk assessment for these potential incidents based on likelihood and impact; and
- Contributing factors that may lead to the incident occurring.

5. POLLUTION INCIDENT RESPONSE DECISION FLOW CHART

A flow chart detailing the decision-making process regarding pollution incident responses is included at the start of this document. The flowchart provided for all staff involved in a pollution incident as to their, and Council's, legislative and regulatory responsibilities.

All staff involved with the Deniliquin Sewage Treatment System shall be trained in the use and requirements of this flow chart.

A copy of the flow chart and contact details shall be placed in the following locations:

- Office at the Deniliquin Sewage Treatment Plant;
- At each Sewage Pump Station; and
- In each of the Services Section vehicles.

6. NOTIFICATION OF POLLUTION INCIDENT

Where the pollution event incident causes or threatens material harm to the environment or human health, all the following authorities must be notified by the site supervisor or staff member responsible for the site at the time of the incident:

NOTIFICATION OF RELEVANT AUTHORITIES

a. Emergency Call Services

Emergency Hotline Number (24 hours)

The site supervisor or staff member responsible for the site should call **000** if the incident presents an immediate threat to human health and/or property and a combat agency is required. They are then to notify all other parties noted below including NSW Fire and Rescue via a local telephone number.

000

b. Edward River Council

	•	Services Supervisor	0408 245 970
	•	Works Manager	03 5898 3000
	•	Manager Engineering Assets	0421 558 810
	•	Director Infrastructure	0488 015 497
	•	Duty Sewage Treatment Plant Operator	0419 439 805 (03) 5881 4549
	•	Manager Development Service	0428 268 270
c.	Envir	onmental Protection Authority	
	•	Albury Regional Office	02 6022 0600
	•	Emergency Hotline (24 hours)	131 555
d.	NSW	Ministry of Health (via Public Health Units)	
	•	Albury Regional Office	02 6080 8900
	•	Public Health Officer (24 hours)	02 6080 8900
		Ask for Public Health Officer on call	
e.	Work	Cover NSW	
	•	Hotline Number	13 10 50
f.	Fire a	nd Rescue NSW	
	•	Deniliquin Fire and Rescue NSW station	000

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7. NOTIFICATION OF POLLUTION INCIDENT REPORTING FORM

A copy of the Pollution Incident Reporting Form is attached in **Appendix B** of this document.

8. INVENTORY OF POTENTIAL POLLUTANTS

A list of potential pollutants found on the premises is included in **Appendix C** of this document.

9. SAFETY EQUIPMENT AND INFRASTRUCTURE USED TO CONTAIN OR CONTROL IMPACT OF POLLUTION INCIDENT

A list of safety equipment and infrastructure provided as part of the Deniliquin Sewage Treatment System and used for the control and containment of pollution incidents is included in **Appendix D** of this document.

10. NAME AND CONTACT DETAILS OF OWNERS AND OCCUPIERS OF PREMISES IN THE VICINITY

Details of properties in the vicinity of the Sewage Treatment Plant and pump stations may be sourced directly from Council's intranet/GIS system.

Council staff shall contact residents during a pollution incident by door knocking at the discretion of the combat authority or Council's Director Technical Services.

11. STAFF TRAINING

Training shall be provided to relevant staff that work as part of the Deniliquin Sewage Treatment System in the implementation of this PIRMP. A register of staff that have been trained is included in **Appendix E** of this document.

12. TESTING OF THE PIRMP

Testing of the PIRMP shall be conducted on a yearly basis as a desktop exercise with scenarios based on the site conditions.

Safety equipment noted in this PIRMP shall be inspected yearly as part of the testing procedure.

Records of the tests shall be included in **Appendix G** of this document.

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	APPENDIX A
Р	OLLUTION INCIDENT CLASSIFICATION, RISK ASSESSMENT AND CONTRIBUTING FACTORS

Table A1 – Pollution Incident Classification, Risk Assessment and Contributing Factors

Description of Pollution Incident	Likelihood	Impact	Contributing Factors
Sewage Treatment Pla	<u>ınt</u>		
Wet weather bypass at the Sewage Treatment Plant (STP) and is when untreated sewage bypasses the sewage treatment process and discharges to the environment.	Low	High	Prolonged periods of heavy rain, lack of pond and site maintenance and/or mechanical failure of plant and equipment.
Dry weather bypass at the Sewage Treatment Plant (STP) and is when untreated sewage bypasses the sewage treatment process and discharges to the environment.	Very Low	High	Lack of pond and site maintenance and/or mechanical failure of plant and equipment.
Pond failure at the STP.	Low	Low	Prolonged periods of heavy rain, lack of pond and site maintenance and/or mechanical failure of plant and equipment.
Mechanical failure at the STP results in discharge of untreated sewage.	Low	High	Fire damage or poor maintenance of plant and equipment. Prolonged periods of heavy rain.
Mechanical failure at the STP results in offensive odour from the premises.	Low	Low	Fire damage or poor maintenance of plant and equipment.
Inadequate chemical storage.	Very Low	Very Low	Human error. Chemical fire accelerated by high winds, dry weather, periods of prolonged
Acts of vandalism or target of terrorist activity at the STP.	Low	Medium	Increased risks during hours of closure.

Discharge pipeline breakage.	Low	Low	Poor maintenance of plant and equipment. Flows exceeding pipe and pump capacity.
Exceed License discharge limits to the environment	Low	Low	Prolonged periods of heavy rain and mechanical failure of plant and equipment.
Significant adverse environmental impact from irrigation in utilisation areas.	Low	Low	Human error. Lack of control and/or monitoring. Prolonged periods of heavy rain.
Sewage Pumping St	ations		
Mechanical failure at the SPS results in discharge of untreated sewage.	Low	High	Fire damage or poor maintenance of plant and equipment. Prolonged periods of heavy rain resulting in long run times.
Mechanical failure at the SPS results in offensive odour from the premises.	Low	Low	Fire damage or poor maintenance of plant and equipment.
Power Outage	Medium	Medium	Maintenance, equipment failure, Utility network failure.
Acts of vandalism or target of terrorist activity at the SPS.	Low	Medium	Increased risks during hours of closure.
Reticulation			
Broken Mains Pipe	Low	Low	Increased risk during hours of closure. Public response activates duty callout personnel.
Wet weather overflow from the reticulation system during wet weather	Refer to Council's policy regarding Sewer Overflows.	Refer to Council's policy regarding Sewer Overflows	Refer to Council's policy regarding Sewer Overflows
Dry weather overflow from the reticulation system.	Refer to Council's policy regarding Sewer Overflows	Refer to Council's policy regarding Sewer Overflows	Refer to Council's policy regarding Sewer Overflows

APPENDIX B

NOTIFICATION OF POLLUTION INCIDENT REPORTING FORM

POLLUTION INCIDENT REPORTING FO)RM			Page 1	of 5
Incident No:		Time:			
Date:		Duration of Inciden	t:		
Weather Conditions:					
Temperature:	.°C Wind	Speed:		km/l	hr
Relative Humidity:	.% Wind	Direction:			
Fire Danger Rating:	. Rainf	fall since 9am:		mm	
Location of Incident:					
Nature of Incident:					
Description of the Incident:					
Actions taken to contain/manage the Inci	ident:				
Were photos taken: Yes ☐ N	√o □ W	ere samples taken:	Yes	□ No	
Details of Person Reporting the Incident:					
Name:		Phone Contact:			
Section:		Date:			

imme	ediate <i>P</i>	action by	Supe	VISOT/IVI	anage	er								
1.	•	re assista or clean		rom othe	er age	encies to c	contain,		Yes		No		Not sure	
	If "Yes	s" call 0	00 imı	nediate	ely									
2.		any actua not trivia		otential	harm	to human	health		Yes		No		Not sure	
	•	Is it loca	ated w	ithin 10	0m of	a school,	childcar	e ce	ntre, a	aged o	care ho	ome, h	nospital?	?
	•	Could it	impa	ct on us	ers of	f public are	eas such	as o	ovals,	reser	ves, w	aterw	ays?	
	•	Could tl	he imp	act spre	ead a	nd potenti	ally harm	n occ	cupant	ts of n	earby	prope	erties?	
3.	Pose a is not		al or p	otential	harm	to ecosys	tems tha	nt	Yes		No		Not sure	
	•	Could tl	he inci	ident flo	w/imp	act on a v	water boo	dy or	drain	age s	ystem	?		
	•	Could tl	he inc	ident flo	w/imp	act on en	vironmer	ntally	/ sens	itive la	and?			
4.		in actua amount o			oss o	r property	damage	:	Yes		No		Not sure	
ʻpollut Rescu cause 1997)	tion eve ue NSW ed or thr e refer t	nt'. There immedia eatened.	e is a d ately a Failui	duty to after becare to do	notify coming so is	ve then the y the EPA g aware of an offence	, Ministry f a pollut e (Protec	y of H ion in ction	Health ncider of the	, Wor nt whe Envii	kCove ere ma ronme	r and terial nt Ope	Fire and harm is erations	d Act
NSW	V EPA C	Call 131 (555 E	Environn	nenta	I Hotline								
Cont	tacted:	Yes		No		Reason	not cont	acte	d:					
Nam	e of EP	A Repres	sentat	ive:										
		•												
Actio	ons requ	ured by E	:PA:											
I														

POLLUTION INCIDENT REPORTING FORM

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NSW Health - Local Public Health Unit Call 02 6080 8900 Ask for Public Health Officer on duty
Contacted: Yes No Reason not contacted:
Name of PHU Representative:
Time and Date: PHU Ref #:
Actions required by PHU:
WorkCover Authority Call 13 10 50
Contacted: Yes No Reason not contacted:
Name of WorkCover Representative:
Time and Date: WorkCover Ref #:
Actions required by WorkCover:
Fire & Passus NSW Call 000
Fire & Rescue NSW Call 000
Contacted: Yes No Reason not contacted:
N (F 0D D)
Name of Fire & Rescue Representative:
Time and Date: Fire & Rescue Ref #:
Actions required by Fire & Rescue:

Edward River Council				
Services Supervisor: 0-	408 245 970)		
Contacted: Yes] No		Reason not contacted:	
Works Manager: 03 589	98 3000			
Contacted: Yes] No		Reason not contacted:	
Manager Engineering &	Assets: 042	21 55	58 810	
Contacted: Yes	No I		Reason not contacted:	
Director Infrastructure: (0488 015 49	7		
Contacted: Yes] No		Reason not contacted:	
General Manager: 03 5	898 3000			
Contacted: Yes] No		Reason not contacted:	
Neighbour Notification	l			
Has Council been direct agency / EPA?	ed to contac	ted n	neighbours by a combat Yes 🛭 No	
Has Council voluntarily	contacted ne	eighb	oours? Yes 🗆 No	
<u>Name</u>			Address Contact M	<u>lethod</u>
	•••••			

POLLUTION INCIDENT REPORTING FORM

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Preliminary Investigation:		
Notes from Discussions with relevant operational staff		
Any further observations or comments by Supervisor	Manager:	
Details of Appropriate Section Supervisor/Manager Re	eporting the Inciden	t:
Name:	Phone Contact:	
Section:	Date:	

APPENDIX C
LIST OF POTENTIAL POLLUTANTS THAT MAY BE FOUND ON THE PREMISES

Chemical / Pollutant	Location	Quantity
Raw Sewage	Sewage Treatment Plant	1.7 ML
Hydrated Lime	Sewage Treatment Plant	200kg
Raw Sewage	Sewage Pumping Station	3000 L
Hydrated Lime	Sewage Pumping Station	50 kg



LIST OF SAFETY EQUIPMENT AND INFRASTRUCTURE USED AS PART OF THE DENILIQUIN SEWAGE TREATMENT SYSTEM

Location	Description of Safety Equipment or Infrastructure
Sewage Treatment Plant	Safety Equipment
	There is no safety equipment available at the Sewage Treatment Plant. There is trailer with safety equipment available from the depot.

Pump Stations	Safety Equipment
	There is no safety equipment available at the Sewage Pumping Stations. There is trailer with safety equipment available from the depot.

Reticulation	Safety Equipment
	There is trailer with safety equipment available from the depot.

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APPENDIX E

STAFF TRAINING REGISTER

I CERTIFY THAT I HAVE BEEN INSTRUCTED IN THE PROCEDURES REQUIRED FOR EDWARD RIVER COUNCIL'S RESPONSE TO POLLUTION INCIDENTS AS REQUIRED UNDER THE PROTECTION OF THE ENVIRONMENT LEGISLATION AMENDMENT ACT 2011:

DATE	NAME	SIGNATURE	NAME OF STAFF MEMBER PROVIDING TRAINING	SIGNATURE OF STAFF MEMBER PROVIDING TRAINING
31/5/23	Cory Thomas	CTL	MARK COOK	
31/5/23	Cory Thomas Adam Gosoleau	Solven Gasolean	MARK COOK	1990
	Gree Higgins		MARK COOK	- YOU
8/6/23	Jake Holschier	John J	MARK COEK	MAYON
8/6/23	Jash Larcombe	Mughmil	MARIL COOK	LANGO
1.1				
		*		

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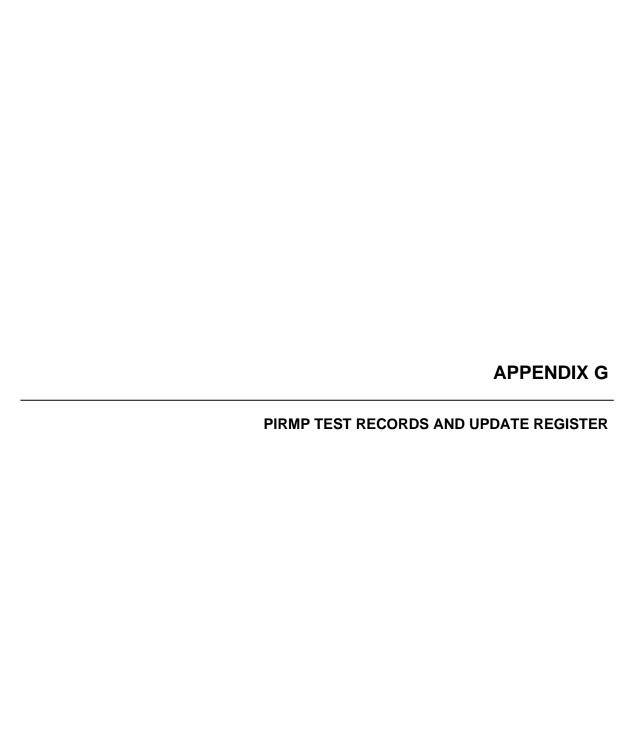
June 2023

APPENDIX F

LOCATION OF SEWAGE PUMP STATIONS

LOCATION OF SEWAGE PUMP STATIONS AND TREATMENT FACILITY

<u>Identifier</u>	Physical Location	Nearest Intersection	Easting	Northing	<u>Longitude</u> (WGS84)	<u>Latitude</u> (WGS84)
(Private)	Adjacent to 140 Crispe St	Hetherington St and Crispe St	315043.857	6064877.963	144.959703	-35.542503
(Private)	Adjacent to Aero Club Rooms at Airport	Wirraway Dr and Mcknight Dr (Airport Dr)	314024.234	6063587.275	144.948165	-35.553942
(Private)	Saleyards Rd	Cobb Hwy and Saleyards Rd	314738.711	6064138.463	144.956169	-35.549109
P/S 01	Opposite 101 Macauley Street	Henry St and Macauley St	314533.192	6066347.914	144.954409	-35.529162
P/S 02	59 Decimus St	Poictiers St and Decimus St	314244.653	6067414.716	144.951473	-35.519495
P/S 03	Opposite 124 Burton St	Sloane St and Burton St	313572.559	6067141.412	144.944002	-35.521831
P/S 04	1 Butler St – Maclean Beach Caravan Park	Charlotte St and Butler St	315133.679	6067429.683	144.961275	-35.519526
P/S 05	Memorial Dr – Memorial Park Opposite Rovers Club Rooms	Golf Club Rd and Memorial Dr	316299.221	6065944.556	144.973785	-35.533125
P/S 06	81 Hunter St	Harfleur St and Hunter St	315424.164	6065534.939	144.964045	-35.536654
P/S 07	Ricemill Rd – Within Ricemill Boundary	Saleyards Rd and Ricemill Rd	313461.925	6064634.822	144.942206	-35.544397
P/S 08	Packenham St	Chamberlian Ct and Packenham St	315803.835	6064459.918	144.967986	-35.546411
P/S 09	Opposite 170 Hyde St	Victoria St and Hyde St	317133.593	6066862.359	144.983190	-35.525009
P/S 10	Adjacent to 351 Evans St	Lackington St and Evans St	316061.526	6066705.931	144.971337	-35.526220
P/S 11	At the Back of Property 422 Hay Rd (Cobb Hwy)	Robinson St and Victoria St	316394.073	6067738.510	144.975237	-35.516977
P/S 12	Opposite 274 River St (Pound St)	Yarra St and River St	317239.676	6066409.361	144.984257	-35.529110
P/S 13	Near Airport – Access via Saleyards Rd	Cobb Hwy and Saleyards Rd	314257.393	6063914.409	144.950811	-35.551038
P/S 15	Next to Airport Terminal Building	Wirraway Dr and Mcknight Dr (Airport Dr)	314119.877	6063524.378	144.949205	-35.554527
P/S 16	Maclean Beach near public toilets	Charlotte St and Butler St	315020.018	6067579.993	144.960056	-35.518150
P/S 17	Ross St	Burchfield Av and Ross St	315892.734	6064811.266	144.969046	-35.543262
P/S 18	Ochtertyre St (Wakool Rd)	Old Racecourse Rd and Ochtertyre St (Wakool Rd)	313614.720	6066272.189	144.944267	-35.529672
P/S 19	Davidson St – Edward River Oval	Smart St and Davidson St	315589.740	6066600.242	144.966113	-35.527085
P/S 20	Lilly St	River St and Lilly St	317916.668	6065699.915	144.991561	-35.535628
P/S 21	Adjacent to Basketball Stadium	Ochtertyre St (Cobb Hwy) and Wirraway Dr	314148.070	6065110.465	144.949880	-35.540240
P/S 23	Harrison St – Waring Gardens Park	Edwardes St and Harrison St	315260.904	6066186.496	144.962394	-35.530752
P/S 24	Dick St	Hetherington St and Dick St	315253.570	6064579.280	144.961947	-35.545233
P/S 25	Calimo St – Overflow Pump Station	Macauley St and Calimo St	313312.999	6065412.600	144.940743	-35.537361
P/S 26	Calimo St – Treatment Plant	Macauley St and Calimo St	313223.500	6065573.040	144.939794	-35.535898
P/S 27	72 Russell St	Russell St & Poictiers St	314651.758	6066729.798	144.955803	-35.525742
Barham Rd	Leetham Rd	Barham Rd and Leetham Rd	310539.820	6063254.690	144.909667	-35.556279
Houseboat Treatment Plant	Charlotte St – Houseboat Pump Station on River	Hardinge St and Charlotte St	315475.285	6066669.358	144.964867	-35.526441
					144.940128	-35.536491
	Calimo St	Macauley St and Calimo St	313255.193	6065507.844		



PIRMP TESTING AND UPDATE REGISTER

VERSION	DATE	TEST OR UPDATE	LAST INCIDENT DATE	SUPERVISOR'S ADVISED DATE	DETAILS
1	14 July 2014	Update			Issue of Version 1 of PIRMP.
1.1	02 June 2016	Test & Update			Desktop Test. Contact details updated
2	2 June 2016	Test & Update	N/A	N/A	Desktop Test. Contact details updated
3	24 October 2016	Test & Update	24 October 2016	24 October 2016	BELOW
		a broken discharge SW Health were bot		novement. This was repaire	ed and the contaminated soil removed to
4	7 June 2017	Test & Upgrade	N/A	N/A	Desktop test. Contact details updated
5	29 May 2018	Test & Upgrade	N/A	N/A	Desktop test. Contact details updated
6	19 June 2019	Test & Upgrade	N/A	N/A	Desktop test. Pump Station details updated as per below.
Private pum	np station at Saleya	rds Road no longer	in service as this prop	perty is connected to low p	ressure sewer system.

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7					
7	22 August 2019	Test & Update	22 August 2019	29 October 2019	See below
				d movement at the inlet work	s to the STP. This was repaired and the
8	11 June 2020	Test & Update	N/A	N/A	Desktop test and update of contact and premises details
9	11 June 2021	Test & Update	N/A	N/A	Desktop Test. Contact details updated (See below)
NA 1 1	St cower rising main	damaged during ex	cavation works in Ma	acauley St. The effluent was	pumped out and contaminated soil
	and both disposed o				F
			N/A	N/A	Desktop test and update of contact details. Pump station details updated (See below)
excavated 10	and both disposed of	Test & Update		N/A	Desktop test and update of contact details. Pump station details updated

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