



POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN

NYNGAN SEWAGE TREATMENT SYSTEM



OCTOBER 2012



TABLE OF CONTENTS

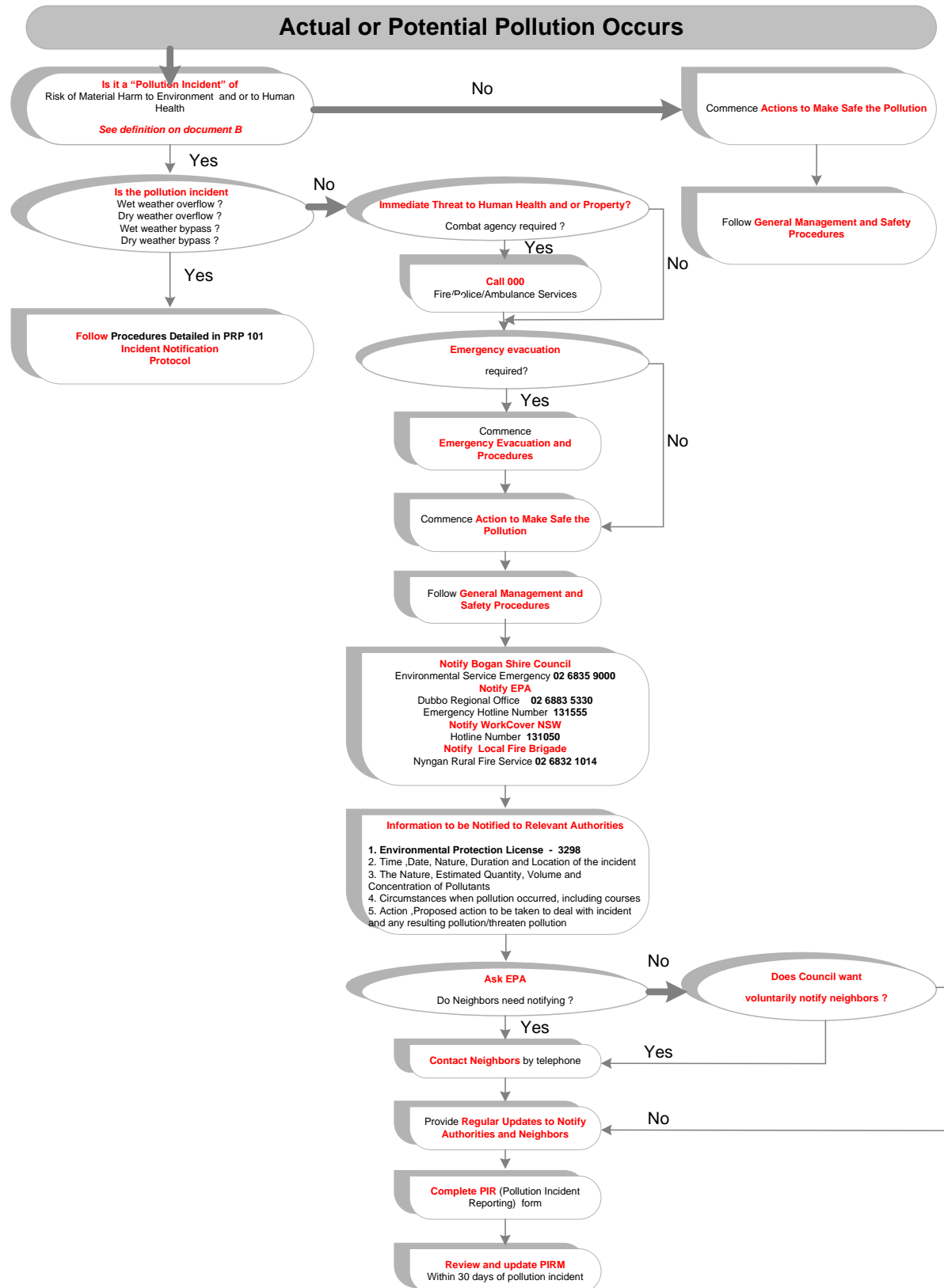
1.0 POLLUTION INCIDENT CLASSIFICATION, RISK ASSESSMENT AND CONTRIBUTING FACTORS	4
2.0 DOCUMENT A - POLLUTION INCIDENT DECISION FLOW CHART	5
3.0 DOCUMENT B – POLLUTION INCIDENT EMERGENCY CONTACT DETAILS	6
3.1 DEFINITION OF POLLUTION INCIDENT	6
3.2 NOTIFICATION OF POLLUTION INCIDENT	6
3.2.1 NOTIFICATION SPEED OF RESPONSE	6
3.2.2 NOTIFICATION OF RELEVANT AUTHORITIES.....	6
3.2.3 INFORMATION TO BE NOTIFIED.....	7
3.2.4 EPA POWERS OF DIRECTION & NOTIFICATION OF NEIGHBOURS	7
3.2.5 SEWAGE TREATMENT SYSTEM COUNCIL CONTACT DETAILS.....	9
4.0 POLLUTION INCIDENT REPORTING FORM.....	10
5.0 PIRMP TESTING & UPDATE REGISTER.....	12
6.0 STAFF TRAINING REGISTER.....	13
TABLES	
Table 1.1 – Pollution Incident Classification, Risk Assessment and Contributing Factors	4
Table 2.1 – List of Neighbours to be Notified	8

1.0 POLLUTION INCIDENT CLASSIFICATION, RISK ASSESSMENT AND CONTRIBUTING FACTORS

Table 1.1 – Pollution Incident Classification, Risk Assessment and Contributing Factors

Description of Pollution Incident	Likelihood	Impact	Contributing Factors
Wet Weather Overflow from the reticulation system during wet weather.	refer to PRP 100 Sewer Overflow Investigations Report (Sections 5 & 7)	refer to PRP 100 Sewer Overflow Investigations Report (Section 6)	refer to PRP 100 Sewer Overflow Investigations Report (Section 5.1)
Dry Weather Overflow from the reticulation system during dry weather.	refer to PRP 100 Sewer Overflow Investigations Report (Sections 5 & 7)	refer to PRP 100 Sewer Overflow Investigations Report (Section 6)	refer to PRP 100 Sewer Overflow Investigations Report (Section 5.1)
Wet Weather Bypass at the sewage treatment plant (STP) and is when untreated sewage bypasses the sewage treatment process and discharges to the Box Cowl dry creek during wet weather.	Low	High	Prolonged periods of heavy rain, lack of pond and site maintenance and/or a mechanical failure of plant and equipment.
Dry Weather Bypass at the STP and is when untreated sewage bypasses the sewage treatment process and discharges to the Box Cowl dry creek during dry weather.	Low	High	Lack of pond and site maintenance and/or a 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 a 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.	Low	Medium	Human error. Chemical fire accelerated by high winds, dry weather, prolonged periods of high temperatures and low humidity.
Acts of vandalism or target of terrorist activity at the STP.	Low	Medium	Increased risk during hours of closure
Discharge pipeline breakage.	Low	Low	Poor maintenance of plant and equipment. Flows exceeding pipe and pump capacity
Exceed Environment Protection Licence (EPL) discharge limits to the re use pond.	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.

2.0 DOCUMENT A - POLLUTION INCIDENT DECISION FLOW CHART



3.0 DOCUMENT B – POLLUTION INCIDENT EMERGENCY CONTACT DETAILS

3.1 DEFINITION OF POLLUTION INCIDENT

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 1997*:

- “(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, 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.”*

3.2 NOTIFICATION OF POLLUTION INCIDENT

3.2.1 Notification Speed of Response

The requirement for notification of a pollution incident has changed from 'as soon as practicable' to 'immediately'. In short, 'immediately' means 'promptly without delay', but it does not mean undertaking notification ahead of doing what is necessary to make safe.

3.2.2 Notification of Relevant Authorities

If the pollution incident is a wet weather overflow, dry weather overflow, wet weather bypass or dry weather bypass procedures need to be followed in Council's *PRP 101 Incident Notification Protocol, October 2012*.

In all other pollution incident cases and where the pollution incident causes or threatens material harm to the environment or human health, all the following authorities must be notified by the Site Supervisor:

Notification of Relevant Authorities

1. Emergency Call Services

• Number (24 hours)	Emergency 000*	Hotline
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*The Site Supervisor should call 000 if the incident presents an immediate threat to human health and/or property and a combat agency is required (i.e. NSW Fire and Rescue, NSW Ambulance Service, NSW Police Force) and then notify all other parties below including NSW Fire and Rescue via a local telephone number.

2. Bogan Shire Council

Bogan Shire council Environmental Services (24 hour Emergency Hotline Number)	02 6835 9000
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3. The Environment Protection Authority (EPA)

Dubbo Regional Office Emergency Hotline Number (24 hours)	02 6883 5330 131 555
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NSW Ministry of Health (via Public Health Units)

Nyngan Health Service Environment and Health Officer on Call (24 hours)	02 6832 1707 0428239490
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4. WorkCover NSW

Hotline Number	13 10 50
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5. Fire and Rescue NSW

Nyngan Rural Fire Service	02 6832 1014**
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If there is no immediate threat to human health and/or property i.e. a combat agency is not required, then the Site Supervisor is still required to follow that outlined above except for dialling 000.

3.2.3 Information to be Notified

Under section 150 of the *POEO Act 1997*, the information about a pollution incident that must be notified to relevant authorities is:

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

Notification is required by the Site Supervisor immediately after a pollution incident becomes known. Any information required that is not known at the time the incident is notified must be provided when it becomes known.

3.2.4 EPA Powers of Direction & Notification of Neighbours

Where the pollution incident causes or threatens material harm to the environment or human health, the EPA is notified in accordance with **Section 3.2.2**.

Once the EPA is notified, it is then for the EPA to determine whether commercial, industrial and residential neighbours of the site need to be contacted by Council and informed of the circumstances of the incident and what action is being taken in response to it. If deemed necessary, the EPA then has powers to formally direct Council to notify the neighbours of the site.

Irrespective of whether the EPA directs Council to notify neighbours and depending on the circumstances of the particular pollution incident, Council may at their own discretion voluntarily choose to notify neighbours.

Council would notify neighbours by making a telephone call to every neighbouring property of the STP as detailed in **Table 2.1** below and as identified on enclosed Site Plan. A summary of the neighbour notification procedure is provided in **Document A – Pollution Incident Decision Flow Chart**.

Table 2.1 – List of Neighbours to be Notified

Location	Contact Name	Property Address	Contact	Comments
Sewage Reuse Plant	Mrs MF Smith	Laravoulta, Nyngan NSW 2825		LOT 38 DP 753420
	Mr TT& Mrs SA Waterhouse	Po Box 223, Nyngan NSW 2825	68321458	LOT 39 DP 753420
	Mr Tod Rope	Yelate Nyngan 2825	68321214	LOT 41 DP 848853
Chemical Storage(Water Treatment Plant)	Property Administration Deptmt, Telstra	C/- United Group, Services, GPO Box 2698		LOT 12 DP 773711
	The Manager, Justice Department	NSW Attorney General Dept Attn: Julie O'connor		LOT 2 DP 758802 Section 31
	The Trustees Of, Anglican Property Trust	Po Box 2, Nyngan NSW 2825		LOT 6 Section 31 DP 758802
	Ms HS Galvin	64 Bogan Street, Nyngan NSW 2825	68322151	LOT 81 DP 1010259
Sewer Pump Station-01	Mr RE & Mrs SM Black	Po Box 189, Nyngan NSW 2825	68321773	LOT 1 DP 965760
	Mr RE Whiteford	25 Wambiana St, Nyngan 2825	68321595	LOT 12 Section 20 DP 758802
	Mr B Murden	33 Wambiana St, Nyngan NSW 2825	68322496	LOT 13 DP 758802 Section 20
	Aboriginal Housing Office	223 - 239 Liverpool Road, Ashfield NSW 2131		LOT 8 DP 758802 Section 20
	Mr DJ Skews	21 Argus Avenue, Gumly NSW 2652		LOT 102854
	GBS Falkiner Pty Ltd	C/- Falkiner Family Super Fund Haddon Rig		LOT
	Mr JB Neyland	24 Nymagee Street, Nyngan NSW 2825		LOT
	Department of Housing	Po Box 466, Liverpool NSW 2170		Part LOT 3 DP 758802 Section 20
Sewer Pump Station-03	Mrs LE Skewpeck	Gpo Box 260 Nyngan Nsw 2825	68321562	LOT 10 DP 42135
	Mrs DF Smith	71 Cathundril Street, Nyngan NSW 2825		LOT 6 DP 42135
	Mrs GJ Johnson	73 Cathundril Street, Nyngan, NSW 2825		LOT 7 DP 42135
	Mr KL & Mrs JP Jackson	75 Cathundril Street, Nyngan NSW 2825		LOT 8 DP 42135
	Mrs BM Clarke	77 Cathundril St Nyngan 2825		LOT 9 DP 42135
Sewer Pump Station-02	Mrs GD Eldridge	97 Cobar St Nyngan 2825		LOT 1 DP 327199
	Mr GV & Mrs Be Parsons	Po Box 262 Nyngan NSW 2825		LOT 1 DP 925785
	Mrs NB Dutton	Po Box 195 Nyngan NSW 2825		LOT 1 DP 965760
	Mr GV Parsons	Po Box 262 Nyngan NSW 2825		LOT 10 DP 1111471
Sewer Pump Station-04	Mr GR & Mrs AE Webster	Lot 1, Hoskins ,treet, Nyngan NSW 2825		LOT 1 DP 758803 Section 4
	Rob Shine	35 Ellen Street, Nyngan NSW 2825		LOT 3 DP 261826
	Tritton Resources Ltd	Po Box 386 Nyngan NSW 2825		LOT 4 DP 261826
	Mrs PM Carter	31 Ellen Street Nyngan NSW 2825		LOT 5 DP 261826
	Mr WW & Mrs DT Powell	Po Box 88 Nyngan NSW 2825		LOT 56 DP 613677
	Brendon Johnson	27 Ellen Street Nyngan NSW 2825		LOT 7 DP 261826

3.2.5 Sewage Treatment System Council Contact Details

The following Council officers are directly responsible for the overall management of the NSTS and, if considered necessary, can be contacted by relevant authorities in the event of a pollution incident:

Trevor Waterhouse, 0409 078 762
Water and Sewerage Supervisor,
Bogan Shire Council

Graeme Bourke, 0427 264 262
Manager Engineering Service
Bogan Shire Council

Jayantha C.W .Ediriweera, 0428 264 262
Water and Asset Manager
Bogan Shire Council

4.0 POLLUTION INCIDENT REPORTING FORM

INCIDENT No:

TIME:

DATE:

DURATION OF INCIDENT:

NATURE OF INCIDENT:

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.....
.....

WEATHER CONDITIONS:

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.....

THE LOCATION OF THE PLACE WHERE POLLUTION IS OCCURRING OR IS LIKELY TO OCCUR:

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.....

THE NATURE, THE ESTIMATED QUANTITY OR VOLUME AND THE CONCENTRATION OF ANY POLLUTANTS INVOLVED (IF KNOWN):

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.....
.....

THE CIRCUMSTANCES IN WHICH THE INCIDENT OCCURRED, INCLUDING THE CAUSE OF THE INCIDENT (IF KNOWN):

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THE CORRECTIVE ACTION TAKEN OR PROPOSED TO BE TAKEN TO DEAL WITH THE INCIDENT AND ANY RESULTING POLLUTION OR THREATENED POLLUTION (IF KNOWN):

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HAS COUNCIL BEEN NOTIFIED?	YES	NO
HAS ENVIRONMENT PROTECTION AUTHORITY (EPA) BEEN NOTIFIED?	YES	NO
HAS NSW MINISTRY OF HEALTH (VIA PUBLIC HEALTH UNITS) BEEN NOTIFIED?	YES	NO
HAS WORKCOVER NSW BEEN NOTIFIED?	YES	NO
HAS LOCAL FIRE AND RESCUE NSW BEEN NOTIFIED?	YES	NO

HAS EPA DIRECTED COUNCIL TO NOTIFY NEIGHBOURS?	YES	NO
IF NOT, HAS COUNCIL VOLUNTARILY NOTIFIED NEIGHBOURS?	YES	NO

Signature:	Date:
Water and Sewerage Supervisor, Bogan Shire Council	
Signature:	Date:
Manager Engineering Services, Bogan Shire Council	

5.0 PIRMP TESTING & UPDATE REGISTER

Date	Routine Testing	Routine Update	Post Incident Updates	7 New Copies Distributed?

6.0 STAFF TRAINING REGISTER

Date	Staff Member	Brief Description of Training Task