Moore Park Piggery

Pollution Incident Management Response Plan

2022

REV. NO.	DATE	REVISION DETAIL Prepared by: (Include any amendments made to last document)	REVIEWED BY:		AUTHORISED BY:
			WHS Officer	OTHER	
0	Sep 2013	M Graham			
1	Mar 2016	Kevin Tyrrell – Updated to relevant Act, updated contact details, correct numerous spelling and grammar errors, reviewed Appendix 1 – Hazard & Risk Analysis			
2	Mar 2017	Updated contact details for Rivalea contacts			
3	Mar 2018	Updated contact details for Rivalea, Safework NSW and BFB contacts. Added Ambulance Service. Review plan. Added fuels as potential pollutants.			
4	Mar 2019	Updated contact details and legislation			
5	Mar 2020	Updated contact details			
6	Mar 2021	Updated contact details			
7	Mar 2022	Reviewed and updated			
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Introduction
The Protection of the Environment Legislation Amendment Act (POELA) 2011 requires the Environmental Protection Licence holder to prepare and implement a Pollution Incident Response Management Plan.

Application
This plan has been prepared by BFB Pty Ltd to ensure that Moore Park Piggery complies under the POELA Act.

Implementation
Implementation of this plan addresses both systematic and incident procedures to be followed in order to prevent or minimise pollution incidents from occurring, limit their impact and respond appropriately when such incidents occur.

Administration
Administration for the implementing, maintenance, training of personnel and regular review is the responsibility of the Moore Park Piggery Management Team.

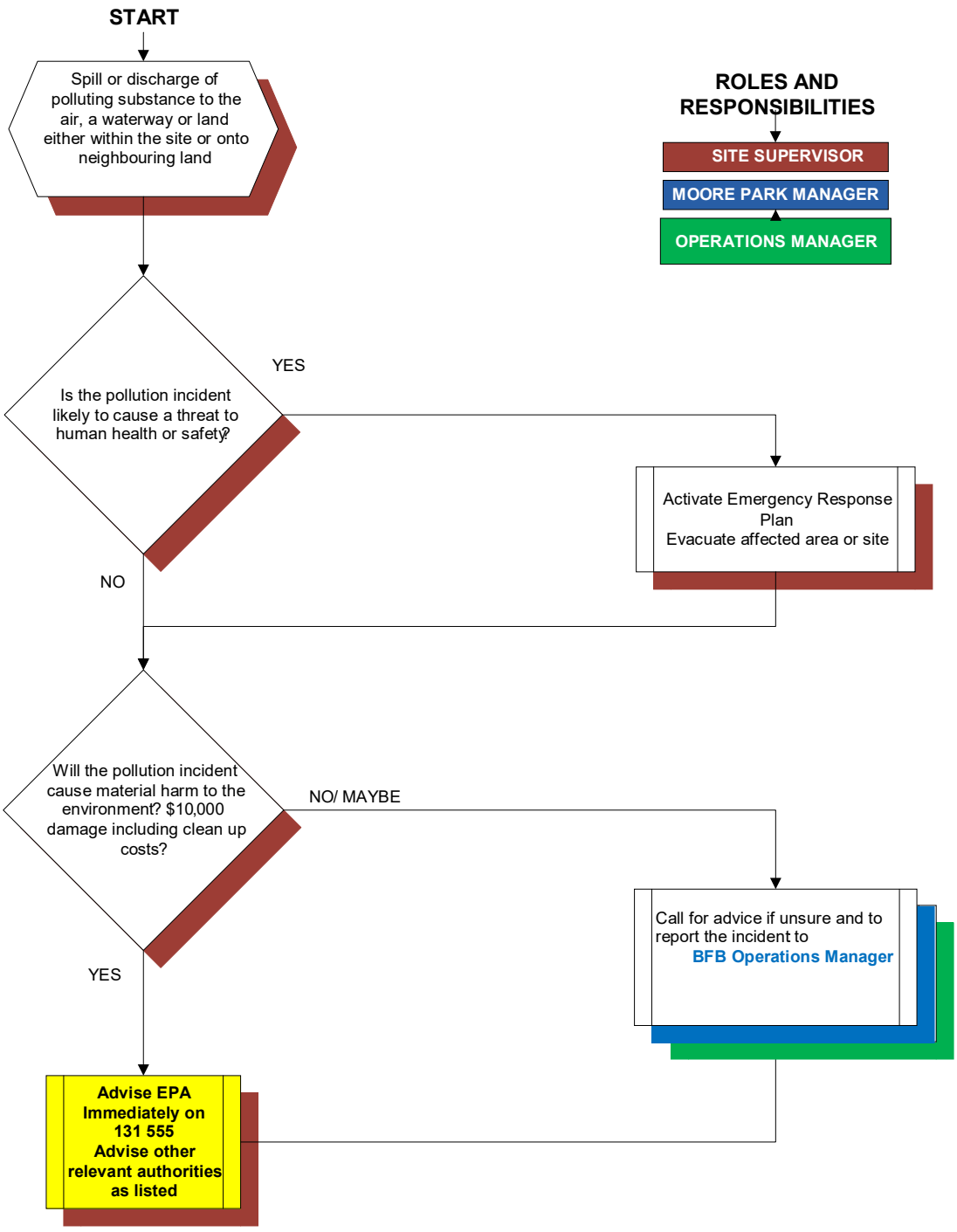
Communication
All enquiries should be directed to BFB Pty Ltd

Address: (Head Office)
95 Twynam St, TEMORA NSW 2666

Locations Coordinates:
$34^0$14’02.45” S
$147^0$22’41.99” E

EPA Licence Number:
11604
Site Plan: Refer also Appendix 3
Plan 1 Moore Park Piggery

Flow chart of incident management



Key personnel identified in incident management

Site Contact Details

Position	Name	Business Hours	Mobile A/H
Site Manager	Keith Harrop	02 6976 2400	0438 787 052
Other relevant contact	Stuart Wiencke	02 6977 1177	0428 787 019
Manager- Riverina Contracting	Greg Gardner	(02) 6052 5005	0429 318 701
Contracting Supervisor	Mat Bolger	(02) 6033 8541	0407 163 527

Rivalea (Australia) Pty Ltd

Position	Name	Business Hours	Mobile A/H
Environmental Manager	Ian Longfield	02 6033 8216	0419 364 103
Environmental Officer	Cassandra Storm	02 6033 8248	0400 592 315
Safety Manager	Spencer Rich	02 6033 8022	0466 730 323
Safety Officer	Vanessa Forrest	02 6033 8359	0408 433 730

External Agencies

Position	Name	Business Hours	Mobile A/H
Environment Protection Authority (EPA)	24 Hour hotline to report pollution incidents	131 555	131 555
Fire and Rescue NSW	Emergencies. Temora Fire Brigade 147 DeBoos St Temora	000 02 6978 0554	000
NSW Ministry of Health	(diverts to Albury Base Hospital)- ask for Public Health Officer on call,	02 6080 8900	02 6080 8900
SafeWork NSW		13 10 50	13 10 50
Temora Shire Council	Business Hours	02 6980 1100	02 6980 1100
NSW Police	Emergencies. Temora Police 148 DeBoos St Temora	000 02 6977 2044	000 02 6977 2044
Ambulance Service NSW	Emergencies. 119 Hoskins st, Temora	000 13 1233	000 13 1233

Description and Likelihood of Hazards

A review of the major environmental risk was undertaken for the site. This risk analysis is shown in Appendix 1. The risks were assessed according to the following criteria:

- Description and impact
- Likelihood
- Contributing circumstances that can increase the risk
- Routine preventative action
- Safety equipment
- Action to be taken in the event of an incident (refer to flow chart)
- Mechanism for providing early warnings to neighbours of a pollution incident of this nature

Operating Procedures

Safe Work Procedures have been developed in consultation with employees. All employees are to read and complete verification documentation. An Emergency Procedures Manual has been developed and includes a section on Environmental Emergencies.

Procedures for notifying the NSW Environment Protection Authority

The Operations Manager will be designated as the principle coordinator for managing the response with the EPA. The Operations Manager is defined as the most senior manager in charge of operational control at the time of the pollution incident and has authority to enact this plan.

The Site Manager can seek advice from Rivalea (Australia) Pty Ltd by calling the Contractor manager or Environmental officers.

Advice can also be sought from the relevant combat authority, local government authority or other state agency as appropriate to the incident.

Procedure for advising occupant/s of neighbouring properties

Advising residents or occupants of neighbouring properties will be accomplished by door knocking at the discretion of the combat authority.

Areas for particular note are listed in the table below:

Receptor	Actual Distance (metres)	Name & Direction
Public road	300	Howards (North)
Public road (<50 vehicles/day)	100	Speirs (West)
Major water course	3000	Barmedman Creek
Major water course	200	Not named
Neighbouring Rural Residence	~2200	“Woodlands”
Neighbouring Rural Residence	~4800	Jamie Cross
Neighbouring Rural Residence	~7200	John Obst

Incident recording and review

All incidents and hazards are to be reported on the BFB Pty Ltd Incident Report form. All personnel are to receive training in the reporting of incidents and hazards at commencement of work at Induction and periodically at Safety Meetings.

Inventory of potential pollutants

A manifest including dangerous goods and inventory at the site is attached as Appendix 2.

Stormwater Plan

Storm water is collected by contours and site creeks into collection ponds. These overflow and flow into the site's freshwater dam.

Training procedure

All personnel receive Emergency Procedures training at induction and periodically. Relevant personal will be involved with the review of the Emergency Procedures. This may occur biennially or following an emergency situation.

Training topics

- Location and accessibility of the plan
- Assessing the threat of harm from a pollution incident
- Integrating Emergency Response Plan
- Notifying the EPA of an incident
- Notifying other relevant authorities of the incident

Safety Equipment

The equipment or other devices that are used to minimise the risks to human health or the environment and to contain or control a pollution incident e.g. firefighting gear, safety goggles, overalls, fire extinguishers etc.

Training records

Training records are electronically maintained on the BFB File Server. Hard copies of training verification are maintained in the Safety Department Training Files.

Review of Pollution Incident Management Plan

This plan is to be reviewed biennially by site management.
The Plan and its implementation will be reviewed after any pollution or emergency event and subsequently updated where any deficiencies are found.

Appendix 1- Hazard Identification and Risk Analysis

A risk rating (Rank) is then established and given a HIGH, MEDIUM or LOW risk rating. The rating is established using a standard risk-rating matrix as illustrated below.

Risk Rank Likelihood x Consequence	L1 Almost Certain	L2 Likely	L3 Possible	L4 Unlikely	L5 Rare
C1 Catastrophic	1	2	4	7	11
C2 Major	3	5	8	12	16
C3 Moderate	6	9	13	17	20
C4 Minor	10	14	18	21	23
C5 Insignificant	15	19	22	24	25

RISK RATING	
High Risk	1.6
Medium Risk	7-15
Low Risk	16-25

Step 1 Assess the Likelihood				Step 2 Assess the Consequences		
L1	Happens every time we operate	Almost Certain	Common or repeating occurrence	C1	Fatality	Catastrophic
L2	Happens regularly (often)	Likely	Known to have occurred “has happened”	C2	Permanent disability	Major
L3	Has happened (occasionally)	Possible	Could occur or “heard of it happening”	C3	Medical/hospital or lost time	Moderate
L4	Happens irregularly (almost never)	Unlikely	Not likely to occur	C4	First aid or no lost time	Minor
L5	Improbable (never)	Rare	Practically impossible	C5	No injury	Insignificant

Description and Impact	Risk	What can happen (Event)?	Contributing Circumstances	What can happen (Consequences)?	Operational Controls	Probability	Consequences	Level of Risk	Ranking of Risk
Truck accident	Fire, oil, fuel or feed spill.	Spill entering the stormwater system	Poor traffic management plan, weather conditions, mechanical failure, driver fatigue	Potential spill into the stormwater system, fire and smoke may impact on residents, odour, cause other accidents.	Sealed road to site, signage, traffic flows, hi viz clothing for onsite staff, speed limits, training.	Unlikely	Major	12	M
Fuel spill	Pollution of surface water, fire. Contaminated soil.	Damage to bowser and fill equipment. Mobile tank movement spill	Vehicle collision with bowser. Operator error. Mobile tank accident.	Potential spill into the stormwater system, potential fire	bunding around tank.	Unlikely	Major	12	M

Description and Impact	Risk	What can happen (Event)?	Contributing Circumstances	What can happen (Consequences)?	Operational Controls	Probability	Consequences	Level of Risk	Ranking of Risk
Chemical spill	Pollution of surface water, contaminated soil, fire,	Chemical seepage into stormwater runoff.	Poor storage, lack of training, vehicle accidents. Cement base/bund not intact/correct size, movement and transport of chemicals, incorrect segregation (acids and alkalis)	Potential spill into stormwater. Fire, explosion, toxic fumes.	Oil and chemical storage room. Concrete floor, mesh and tin walls. All chemicals stored in these area.	Unlikely	Moderate	17	L
Fire	Air and water pollution, toxic fumes from building materials, chemicals	Offsite discharge of chemical residue, smoke and ash,	lack of maintenance of fire-fighting system. Poor maintenance of machinery, Total Fire Ban days, lack of training,	Environmental pollution, human harm, damage to plant and equipment (from fire and water used in the firefighting)	Fire extinguishers and regular inspection of the firefighting system, Hot work permits	Unlikely	Catastrophic	7	M
Effluent offsite discharge	Surface water contamination.	Contaminated water offsite	Excessive rainfall, poor design, stored bedding litter is washed away.	Stored bedding litter is washed away, discharge off site into stormwater	Litter removed as soon as possible, bunding around site.	Possible	Minor	18	L
Odour emissions	Persistent odour event	Can travel to neighbours creating a nuisance.	Unusually stable weather conditions, change in pig's diet	Odour emissions impacting on neighbours and community amenity	Monitoring and inspections, buffer distances, maintenance.	Almost Certain	Minor	10	M

Appendix 2- Potential Pollutants stored at the site

Potential Pollutant	Description/usage	Approximate amount	Storage
Spent litter	Can be rice hulls, straw, sawdust etc that is used for bedding material in eco-sheds	>1000 tonnes & <20,000 tonnes	To compost pad until spread on paddocks
Hydrated lime	Disease control	1 tonne	Sealed 20kg bags wrapped in plastic on pallets. Kept in site shed.
Rodenticide	Vermin control	80kg	Sealed plastic bucket in chemical storage area in main office.
Citric acid	Animal health additive	40kg	Sealed 20kg bags wrapped in plastic in medication room in office.
Diesel Fuel	Fuel	17,000L	Bunded above ground storage
Unleaded Fuel	Fuel	1,000L	Bunded above ground storage

Appendix 3- Moore Park Piggery Site Plan