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Pollution Incident Response Management Plan (PIRMP)

Prepared for: Rangers Valley Feedlot

Integrity Ag and Environment

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Stephen.Wiedemann@integrityag.net.au

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1 Introduction

1.1 Summary of the Pollution Incident Response Management Plan

All operations associated with the Rangers Valley feedlot are detailed in this Pollution Incident Response Management Plan (PIRMP). These operations involve the management of production pens, sedimentation basins, effluent holding ponds, effluent irrigation and manure spreading. Appropriate management strategies, monitoring procedures and corrective actions to be utilised to minimise the impact of potential adverse effects on feedlot are outlined. Not all potential occupational health and safety issues that may impact on staff and contractors are mentioned in this PIRMP. This plan aims to assist in the identification, management, or mitigation of potential impacts and risks that may have adverse impacts on the surrounding environment. It also aims to minimise the risk to staff, contractors and members of the public that are required to respond to pollution incidents. This PIRMP will be reviewed:

- Within a month after a pollution incident has occurred to ensure the plan is still relevant and capable of addressing all potential events; or
- Annually, if a pollution event has not occurred in the previous twelve months.

1.2 Pollution Incident Response Management Plan Objectives

The content of this document is aimed at:

- Reducing the impacts caused by feedlot operations on the quality of groundwater, surface water and ecosystems, prevention of the degradation of soils in effluent and manure utilisation areas and reduce the impact on community amenity to ensure compliance and effective environmental management. Improvement of environmental outcomes at the feedlot will be achieved through the implementation of specific procedures.
- Ensuring that the plan is effectively implemented by trained staff. This involves identifying which staff member is responsible for the implementation of it and ensuring that regular evaluation of the plan occurs to assess its accuracy, relevance and suitability.
- Ensuring effective communication to staff regarding a pollution incident to staff at the feedlot, in addition to the Environment Protection Authority (EPA), or other authorities such as the Council, NSW Ministry of Health, WorkCover NSW, and Fire and Rescue NSW depending on the nature of the incident. Other people outside of the feedlot who may be impacted by a pollution incident should also be contacted.
- Ensuring compliance with the licence obligations.
- To facilitate the assessment and review of the plan to ensure it is up to date.

2 Rangers Valley Feedlot Overview

2.1 Location

Rangers Valley feedlot is located north of Glen Innes on the New England Tablelands of New South Wales, at 29°30'S, 151°45'E. The feedlot is located on the northwest section of the property and the quarry is located on the property's southern boundary. The location of Rangers Valley is shown in Figure 2.

3 Description of Hazards and Pre-emptive Actions to be Taken

Table 1 outlines the potential hazards to human health and the environment that could arise due to feedlot operations, their consequences and the controls used to reduce the likelihood of occurrence and consequence of their impact. The last column provides an assessment of risk for the specific impact.

Potential hazards that are identified as medium-high risk need to be addressed through pre-emptive actions and on-going management to ensure the risk can be either eliminated, or mitigated to a level acceptable to Rangers Valley, the Local Council and state authorities. Section 10 outlines actions to be taken after a pollution incident.

Table 1 – Risk Assessment of potential pollution hazards at Rangers Valley Feedlot

Hazard	Consequence	Controls	Risk
Odour from the feedlot	Odour beyond the property boundary	<ol style="list-style-type: none"> 1. The OEMP outlines methods and procedures used to minimise the impact, record complaints, and corrective actions to address complaints. 2. Procedures 1-15 are regularly undertaken to minimise odour generation at the feedlot. 3. If an incident occurs notify the Farm Supervisor. 	LOW-MED
Mass cattle death / disease outbreak	Human and animal exposure to exotic diseases both on the property and beyond the property boundary	<ol style="list-style-type: none"> 1. Refer to Emergency Animal Disease (EAD) Action Plan that is in the QA/ Feedlot Manual. The EAD Action Plan includes an Incident Notification protocol with the state authority 	LOW
Agricultural chemical spill	Soil, groundwater and surface water contamination. Exposure to concentrated fumes and flammable substance	<ol style="list-style-type: none"> 1. A lockable storage shed with concrete flooring is used for the storage of agricultural chemicals 2. MSDS information is available at the main office for all chemicals stored and used on the site 3. If an incident occurs notify the Farm Supervisor. 4. Refer to section 10.4 for action to be taken after a chemical spill occurs. 	LOW
Fuel spill	Soil, groundwater and surface water contamination. Exposure to concentrated fumes and flammable substance	<ol style="list-style-type: none"> 1. All fuels and oil are stored in appropriate containers/drums/tanks which also includes bunding as required by law. 2. If an incident occurs notify the Farm Supervisor. 3. Refer to Section 10.4 for action to be taken after a fuel spill occurs 	LOW
LPG Leak	Exposure to concentrated fumes and flammable substance	<ol style="list-style-type: none"> 1. All LPG is stored in appropriate tanks which also includes release valves and barriers as required by law 2. If an incident occurs notify the Farm Supervisor. 3. Refer to section 10.3 for action to take in the event of a gas leak. 4. Information about isolating the shutting down gas supply is also provided in section 10.8.3 	LOW
Fuel/ LPG Storage fire	Exposure to fires, fumes, smoke and storage explosion potential	<ol style="list-style-type: none"> 1. All LPG is stored in appropriate tanks which have release valves and barriers as required by law. 2. If an incident occurs notify the Farm Supervisor. 	LOW

Overtopping effluent pond	Soil, groundwater and surface water contamination. Exposure to potential direct contact with pathogens and diseases.	<ol style="list-style-type: none"> 3. Refer to Section 10.1 for action to be taken if a fire occurs. 4. Information about isolating and shutting down the gas supply is also provided in section 10.8.3 1. The controlled drainage area stops stormwater from entering the feedlot. Potential contamination is prevented through levee banks, distance to waterways, vegetative filter strips and terminal ponds. 2. Procedures used to check storage volume and infrastructure are detailed in the OEMP. 3. Staff are vaccinated for Q-fever and leptospirosis. 4. If an incident occurs notify the Farm Supervisor. 5. Refer to Section 10.7 for control measures, emergency responses to be taken after effluent spills and pond overflows. 	LOW-MED
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4 Pollutant Inventory

Table 2 outlines potential pollutants (fuels, chemicals and wastewater) stored on the property. It also outlines the volumes stored and the storage system utilised to store them. The locations of pollutant storage areas can be seen in Figure 3 in section 9. Small quantities of veterinary products are contained in a locked fridge in a secure building on site. The quantities are negligible and their details (e.g. product name, expiry date) are recorded and tracked in the feedlot QA Manual and this audited annually by AUS-MEAT Pty Ltd.

Table 2 - Pollutant Inventory for Rangers Valley detailing storage locaton and storage

Pollutant	Storage Capacity	Storage System & Location
LPG (steam flaker)	66 m3 Capacity	29°30'34.31"S 151°44'1.90"E Above ground steel tank. Steel guard rail surrounding, with sprinkler fire system.
Unleaded Fuel (Main Tank)	2,000L Capacity	29°30'39.46"S 151°44'3.21"E Above ground steel tank, with gravel bund surrounding.
Diesel Fuel (Main Tank)	55,000L Capacity	29°30'39.69"S 151°44'3.07"E Above ground steel tank, with gravel bund surrounding.
*Agricultural Chemicals		29°30'46.79"S 151°44'2.71"E Lockable, bunded shed containing general farm herbicides and insecticides.
Diesel Fuel (irrigation pump 3)	3,000L Capacity	29°30'7.35"S 151°44'59.82"E Above ground steel tank. (Pump site main dam)
Diesel Fuel (irrigation pump 1)	2,000L Capacity	29°30'40.89"S 151°44'27.62"E Above ground steel tank, with gravel bund surrounding. (Nth E2)
Diesel Fuel (irrigation pump 2)	2,000L Capacity	29°30'32.09"S 151°44'42.06"E Above ground steel tank, with gravel bund surrounding. (Sth E2)
Wastewater (E2 Effluent pond)	50 ML Capacity	29°30'37.60"S 151°44'37.22"E Earth constructed dam.
Wastewater (N1 Effluent pond)	103 ML Capacity	29°30'8.11"S 151°44'41.27"E Earth constructed dam.
Wastewater (W4 Effluent pond)	5 ML Capacity	29°30'38.41"S 151°43'36.16"E Earth constructed dam.

* Material Safety Data Sheets (MSDS) for all agricultural chemicals are kept in the Chemical Storage Shed and also the main office.

5 Safety Equipment

Table 3 – Description of Safety Equipment at Rangers Valley

System	Equipment	Description
Occupant Warning System	UHF and phones	<ul style="list-style-type: none"> Fire alarm activation controls will be sounded using a UHF on channel 20, via phone, and through runners. To communicate the ‘all clear’ same method will be used
Fire System	Gas suppression system	<ul style="list-style-type: none"> Located at the feedmill
	2 hydrants	<ul style="list-style-type: none"> Located at the mill and commodity shed
	Portable fire extinguishers	<ul style="list-style-type: none"> At locations around the site
	Mobile water trailer	<ul style="list-style-type: none"> Kept full at all times
Emergency Response System	Breathing apparatus, respirators and gas detectors	<ul style="list-style-type: none"> Kept on site to protect human health
	Spill Kits	<ul style="list-style-type: none"> For chemical and other liquid spills
	Fire Extinguishers	<ul style="list-style-type: none"> Regular maintenance and inspection by <i>Chubb</i>
Emergency Communication	2-way radio	<ul style="list-style-type: none"> Channel 20 5 base stations located at office weighbridge, workshop, mill control room, hospital and processing shed 8 handheld sets
	Phone	<ul style="list-style-type: none"> Emergency contact numbers listed in section 6

6 Emergency Contact Information

6.1 Emergency Services

National Emergency Number	000
National Emergency Number (from mobile phone)	112
State Emergency Service (SES) For Storm or flood emergencies	132 500
Poisons Information Centre	131 126

6.2 Utilities Suppliers

Electrical Supply – Essential Energy	132 391
Gas Supply – Origin Energy	132 461
Fuel Distributor – Bulk fuel Australia	02 6722 1020
Telstra	1800 687 829

6.3 Government Agencies

WorkCover	13 10 50
Environmental Protection Agency	131 555
Environmental Protection Agency – Regional Office	02 6776 0000
Glen Innes Severn Council	02 6730 2300
Rural Lands Protection Board	02 6923 0900
NSW Department of Primary Industries	02 6391 3100
NSW Department of Planning, Industry and Environment	1300 305 695
Ministry of Health	02 9391 9000

6.4 Rangers Valley Staff

Main Office	02 6734 4000
Managing Director (Keith Howe)	0438 427 610
Feedlot Supervisor (Sean McGee)	0408 980 551
Farm Supervisor (Mark Whyte)	0427 344 977
Feedlot Veterinarian (Kev Sullivan)	0428 194 287

6.5 Immediate Neighbouring Residences

Fabian Carniel (Mulgowie)	0429 886 448
James Burrridge (Ridgemount)	0418 115 963
Bruce Newsome (Sherwood)	0428 963 278
Andrew Sloman (Marrawanna)	0427 009 042
Jack Alt (Springvale)	0409 834 544

7 Communication with Neighbours and the Local Community

There is a significant distance between the pollutant storage sites on the feedlot and the closest neighbouring residences, therefore the likelihood of any pollution incidents impacting on neighbours and local residences is unlikely. These potential pollution incidents are outlined in Table 2. In the case that a pollution incident at the feedlot did affect neighbouring properties they would be notified immediately.

In the event of a pollution incident, Rangers Valley will follow the below process in regard to contacting the local community:

- Immediately after a pollution has occurred the Farm Supervisor will contact the relevant regulatory authorities listed in section 6.3. Minimisation strategies for neighbouring residences such as closing windows, shutting down evaporative cooler or not pumping from a contaminated waterway, will be discussed. Appropriate communication methods to advise neighbours and the community will be discussed.
- Neighbouring residences will be contacted and notified (see section 6.4)

8 Minimising Harm to Persons on the Premises

All feedlot staff and contractors receive appropriate training and inductions prior to the completion of any work on site. This training and induction process covers procedures for minimising the potential of a pollution incident occurring, notification processes and management of a pollution incident.

In the event that the site must be evacuated all persons should move to the evacuation assembly point, which is located in front of the main office and remain there until the 'all clear' is received. To initiate an evacuation the UHF channel 20 will be used to give clear instructions to 'evacuate, evacuate, evacuate'.

- Supervisors of each department will account for all staff in their department.
- Contractors and visitors to the site should make their presence known to the Emergency Coordinator.
- Supervisors will discuss with the Emergency Coordinator the status of the area and any unaccounted-for persons.
- The emergency coordinator will use sign in books at the main office to account for contractors and visitors that are on site at the time of the evacuation.
- The Emergency Coordinator will direct supervisors to search for unaccounted persons.
- The Emergency Coordinator will communicate the status of the evacuation to the Senior Officer in Charge of the Emergency Services, including any unaccounted-for persons.

8.1 Emergency Exit Signs

All emergency exits must be identified by a green illuminated exit sign to lead people to safety. The emergency exit signs have a battery backup power supply if power is lost during an emergency.

8.2 Emergency Assembly Point

The Emergency Assembly Point is located at the main office car park and is clearly signed (Figure 1).



Figure 1 - Photograph of Emergency Assembly Point

9 Maps

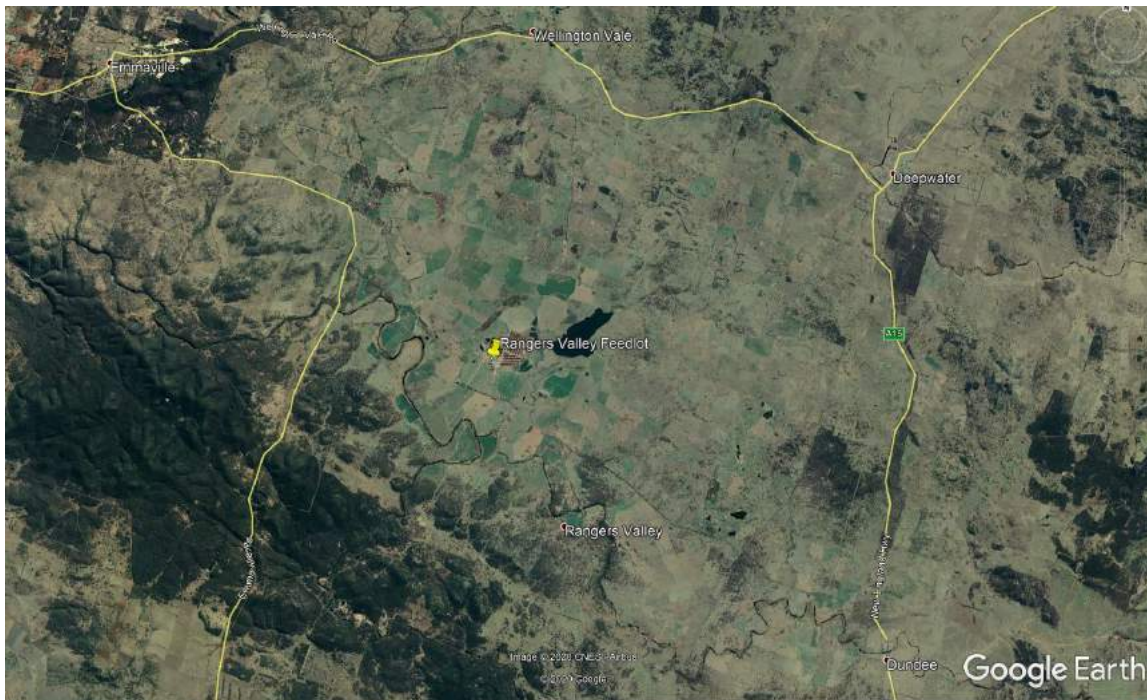


Figure 2 - Location of Rangers Valley Feedlot

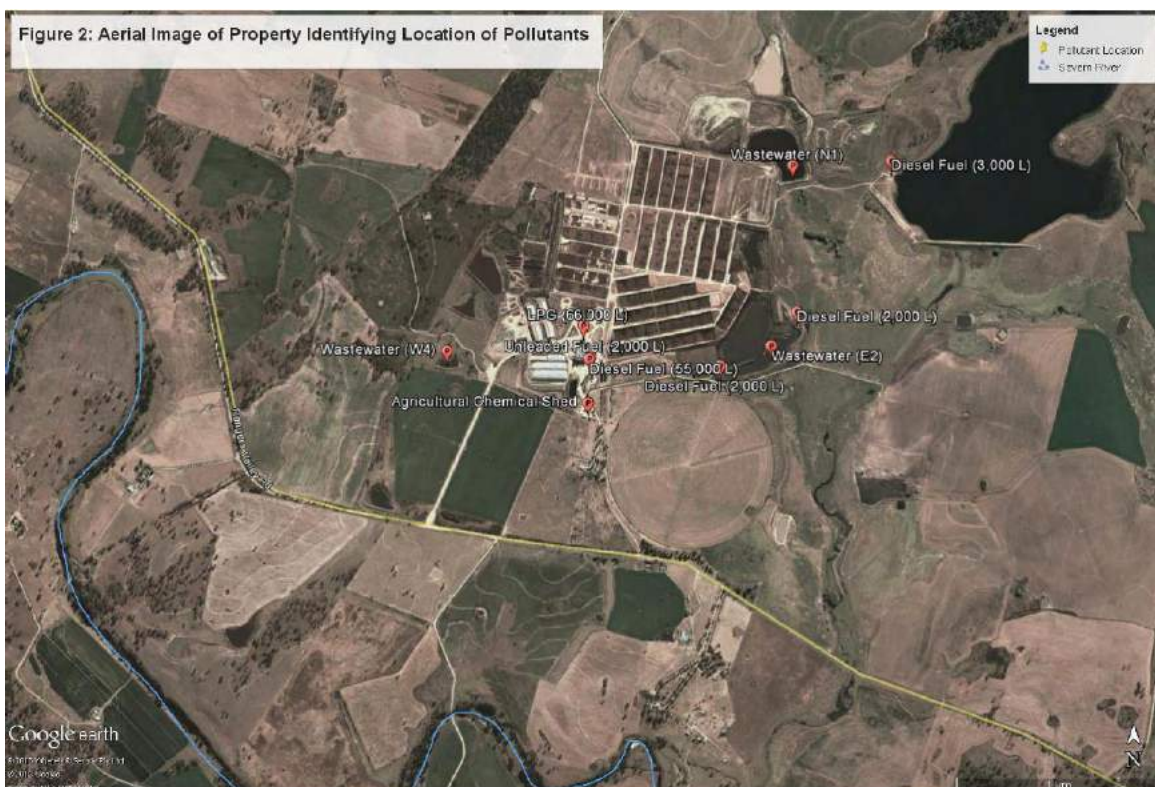


Figure 3 - Aerial Image of Rangers Valley Property Identifying Location of Pollutants

10 Actions to be Taken After a Pollution Incident

10.1 Fire

Upon discovery of a fire:

- The nearest supervisor should be notified. They will then notify the main office and managing director and emergency services if required. When notifying emergency services give the following details:
 - Location of emergency
 - Extent of fire/ nature of the fire
 - Report injured persons
 - Hazards or dangerous goods involved
- If a person is in immediate danger rescue them if it is safe to do so.
- If the fire is indoors, isolate the area by closing the doors and windows and alert people in the area.
- Fight the fire if it is safe to do so and trained, reducing potential environmental harm
- Take direction from supervisors

10.2 Explosions

Emergency Action to be taken in the event of an explosion:

- Get out of the building as quickly and calmly as possible.
- Contact Emergency Services on 000 and seek first aid if people have been injured.
- If there is a fire, stay low to the ground and exit the building as quickly as possible.
- If you are trapped in debris, tap on a pipe or wall so that rescuers can hear you and locate you.
- Where possible and safe to do so assist others in exiting the building and move to the designated assembly area (see Figure 1).
- Look for burning chemicals, ruptured gas or water lines or spilt/uncontained hazardous substances which have the potential to cause pollution. Upon observation of any of these events immediately notify relevant authorities and emergency services.
- Clear roadways and walkways for emergency vehicles and crews.
- Untrained persons should not attempt to rescue people who are inside a collapsed building.
- Wait for emergency personnel to arrive.

10.3 Gas Leak (Flammable or Toxic)

Emergency Action in the event of a gas leak:

- Maintenance should be immediately notified, and the relevant authorities notified immediately if there is potential for environmental harm or environmental harm has already been caused.
- Do not smoke, induce a spark, light flames or use a mobile phone in the area if you can smell a gas leak.
- If a person is in immediate danger and it is safe to rescue them, rescue them. The use of self-contained breathing apparatus is only appropriate for trained persons working in pairs.

- Turn off gas at source if possible. One isolation valve is situated at the far end of the boiler, with a red handle.
- If flammable vapours are released do not operate any electrical switches. Where fitted, activate emergency shut-off or isolate possible ignition sources at switchboard.

10.4 Chemical Spill or Hazardous Material Release

Immediate actions to be taken in the case of a chemical spill or release of hazardous material:

- Clear the area.
- Check for any persons involved.
- Isolate the spill (if safe to do so) to limit and avoid further environmental impact.
- Stop the source of the release (if safe to do so).
- Contact the area Supervisor, EHS/QA Supervisor and Managing Director.
- The primary concern is to protect health and safety. No action should be taken during an emergency response that directly or indirectly violates this principle.
- The secondary concern is the protection of the environment and avoidance of environmental impacts or pollution.

Considerations for containment:

- Use spill kits from the feedmill and main office.
- Use the front-end loader to dig a containment trench.
- Take action to prevent discharge from entering stormwater drains, gutters, creeks and dams.
- Ensure contaminated water is not discharged off-site.

High Risk Spills:

- Notify emergency services by calling 000. Notify maintenance and other relevant authorities where there is potential for environmental harm.
- Determine who will take responsibility for the spill, i.e. Contractor, Fire Brigade, or another Emergency Service.
- Follow any advice or instructions provided by the Emergency Response Team.

Low Risk Spills:

- Have at least two trained workers to manage the spill.
- Ensure appropriate protective equipment is used
- Ensure fire protection is available for flammable spills.
- Control the source of the spill.
- Contain free liquids by damming or absorbing if appropriate.
- Place all spill residues in an appropriate container.
- Decontaminate the affected area using an appropriate material.
- Decontaminate the equipment used.
- Assess the area to ensure it has been properly decontaminated.

All personnel involved in the spill response should be debriefed after the spill has been resolved. This should include a review of the events for any written reports which are required to be submitted following the incident.

Reporting Requirements

Regardless of whether a spill, leak or unauthorised release stayed on site or went off-site, a supervisor and the Managing Director should be notified immediately. The supervisor and Managing Director will report the incident to the EPA if it:

- Involves actual or potential harm to the health or safety of people or to ecosystems.
- Results in actual or potential loss or property damage that totals over \$10,000.

10.5 Unplanned Releases, Leaks or Spills

This involves:

- Overflow of site containment ponds or dams.
- Discharges to air.
- Discharges onto soil.
- Discharges to stormwater drains, gutters, creeks and/or dams.
- Contaminated stormwater as a result of another emergency such as fire, storm or flood.
- Overflow or rupture of settling or holding ponds, causing an uncontrolled discharge on or off-site.

Any unplanned leak or spill that threatens or causes harm should be immediately reported.

Specifically, in the event the holding or settling ponds overflow and breach neighbouring property:

- Control the overflow as much as possible if it is safe to do so.
- Contact the EPA immediately and provide a summary of the current situation. Follow all instructions given by the EPA.
- Neighbours affected by the overflow event are to be contacted and notified of the situation.
- The local council is to be contacted and given details of the situation.
- Samples of the overflow are to be collected. Samples should be taken at the point of overflow, the point of breach, and any water course that could potentially be affected by the overflow.
- A written report summarising the incident, corrective actions that were taken, any long-term actions to be taken and sample results are to be completed and submitted to the EPA and council if required.

Containment and Clean Up

Appropriate procedures must be followed when handling chemicals. Before use be sure to read the directions on the label on the container and follow these when using the chemical. MSDS information is stored at the site office, lunchroom, feedmill, workshop and chemical shed.

The cleanup of a chemical spill should only be conducted by a trained person. Spill kits which contain instructions, absorbents, reactants, and protective equipment are available for the clean-up of minor spills. A chemical spill is classed as minor if it is one that farm, or maintenance staff are capable of cleaning up safely without requiring assistance from emergency services.

10.6 Uncontrolled Hazardous Material Reactions

In the case of uncontrolled hazardous material reactions, emergency services should be notified immediately. If there is potential or actual environmental harm the relevant agencies and neighbours should be contacted and notified of the situation.

Onsite this may include:

- Reactions between acids and alkalis
- Uncontrolled spread of fire involving polystyrene insulating panel

10.7 Water Leaks or Flooding

Flooding can result in environmental harm through effluent ponds overflowing or chemicals entering flood waters, or release of contaminated water.

Safety and environmental considerations:

- Does the water contain dangerous chemicals, sewerage, etc.
- Where will the water drain or flow and is there a risk of pollution or contaminant release? If so, the relevant authorities and neighbours will be contacted and notified of the situation.
- What is the depth of the water?
- Is the water live with electricity? For flooding that occurs inside buildings this is particularly dangerous with most power points and power boards close to the floor.

Emergency action to be taken:

- Notify maintenance.
- Turn off water at source if possible.
- If possible, isolate electrical sources at the switchboard or call maintenance.
- If available and appropriate, local spill kits or sandbags could be utilised to manage the flow of water.
- Isolate flooded area by closing doors, using temporary bunding, or blocking off storm water drain exit points where the water quality may have been impacted.
- Use of the earthmoving equipment located on site may assist where fill is available to contain water.

10.8 Shutdown Procedures

10.8.1 Water

Freshwater used on site is pumped from the Severn River to a turkey's nest at the feedlot and then it is pumped into concrete tanks. At the turkey's nest there is also a Davey pump which pumps water to a concrete tank in the office carpark and to a small water treatment plant which supplies the office, mill and workshop area. In the case of an emergency water can be controlled through the gate valve or power isolation switch at each of these sites (Figure 4).



Figure 4 - Isolation Switch in the Pump Shed at Turkeys Nest

10.8.2 Electricity

Electricity enters the property from the southern side of the feedmill at the feedlot. There are two main isolation points at the feedlot. One is located in the hopper control room (see Figure 5) and the second is below the main power pole transformer which is located southwest of the hopper control room. Electricity supply enters from the south side of the feedmill at the feedlot (Figure 6). Although unlikely, in the case that high voltage electricity supply needs to be shut down, *Essential Energy* should be called on 132 356.



Figure 5 - Power Switch in Hopper Control Room



Figure 6 - Main Transformer and Power Switch

10.8.3 Gas

LPG gas can be isolated at a total of three points on the feedlot. LPG gas which is supplied from the storage tank can be isolated by turning off the valve on the gas supply line situated on the bottom side of the tank (Figure 7).

Figure 8 and Figure 9 show two more locations where LPG gas can be isolated. The control panel shown in Figure 8 is approximately 30 meters from the LPG storage tank is fixed on the side of the commodity

shed. The other point, shown in Figure 9, is located at the feed mill in the boiler room. The feedmill and maintenance team should be contacted if the LPG gas supply is required to be shut down.

Origin Energy is the gas supplier and can be contacted on phone 132 461.



Figure 7 - LPG Tank Control Valve Located on the Bottom Side of the Tank



Figure 8 - Control Panel on Commodity Shed



Figure 9 - Control Panel in Feedmill Boiler Room (Emergency Stop)

10.8.4 Steam

Steam that is generated from the boiler can be isolated by taps situated on the boiler. There is a power isolation switch based on the right hand side of the boiler unit (see Figure 10), in addition to closing and isolating gate valve which is on top of boiler (see Figure 11).



Figure 10 - Control Switches on Side of Boiler



Figure 11 - Control Valve on Top of Boiler

11 Staff Training & Testing

11.1 Training

All staff will receive training to ensure they understand the PIRMP and components specific to their position. Staff will be made aware of the key steps required to respond to and manage a pollution incident. Contractors and subcontractors will also be informed of their obligations prior to commencing work at the feedlot. Staff will receive additional training during inductions, tool box meetings; and on-going via direct supervision and dedicated training workshops. Specific training details are outlined in Table 4. Rangers Valley staff will undertake an annual refresher training session on emergency preparedness and how to respond to pollution incidents.

Table 4 - Training Requirements for Rangers Valley Staff

Training Requirement	Responsible Personnel	Audit Evidence
Environmental training and emergency preparedness and response training must be undertaken by staff and contractors prior to working on site. This includes familiarisation with the PIRMP	Managing Director	Form 1 (Appendix A – Document Register)
Specific training for particular staff e.g. plant operators in pen cleaning	Managing Director	Form 1 (Appendix A – Document Register)
Annual training to keep staff up to date. This is part of ongoing review and amendments to the PIRMP	Managing Director	Form 1 (Appendix A – Document Register)
Revised training after the PIRMP is updated	Managing Director	Form 1 (Appendix A – Document Register)

11.2 Training Records

All training records in relation to environmental management, emergency preparedness and response training will be stored in the Document Register at the main office. These records will remain on hand for a minimum of four years.

11.3 PIRMP Review and Document Availability

The PIRMP will be tested and/or reviewed:

- within one month after a pollution incident occurs to ensure the plan is still relevant and capable of addressing all potential events; or
- annually, if a pollution event has not occurred in the previous twelve months.

This review will be undertaken by the Managing Director and Supervisors. Where necessary amendments will be made to the plan. Staff will be notified of the PIRMP amendments and a copy of the revised PIRMP will be available for all staff to read and provide feedback.

The review will assess the way in which procedures are actually undertaken compared to the way the PIRMP states procedures should be undertaken. Any changes to licences and approvals, or legislative amendments will be altered in the revised PIRMP. Monitoring data will be analysed to determine future monitoring requirements and recommendations will also be given. The PIRMP will be available upon request from an authorised EPA officer.

Appendix A – Document Register



Form 1: Induction and On-going Training

[illegible]

Form 2: Individual Training Register – General Training

Date training conducted	Training Provided	Trainer (s)	Certificate Number	Time taken (hrs)	Not Competent/ training required/ competent	Notes / Comments	Supervisor Signature
	General training						
	Site Induction						
	Onsite Horse Protocols/ Stable Management						
	Low Stress Livestock Handling						
	Safe Cattle Handling Practices						
	Biosecurity Protocols						
	NLIS Device Replacement and Recording Procedure						
	Trough Cleaning Procedures						
	Time Management						
	Basic Horsemanship and Training						
	Acclimation Procedures and Recording						

Form 3: Individual Training Register – General Training

Date training conducted	Training Provided	Trainer (s)	Certificate Number	Time taken (hrs)	Not Competent/ training required/ competent	Notes / Comments	Supervisor Signature
	Pen Riding Training						
	Pen Riding Protocols						
	Pen Riding Procedures						
	Disease/ Health Diagnosis						
	Hospital Training						
	Safe Storage of Drugs and Chemicals						
	Hospital – Administration of Drugs and Chemicals						
	Safe Handling and Preparation of Drugs and Chemicals						
	Inventory Control – Drug and Chemical						
	Hygiene Protocols and Procedures						
	Hospital Treatment Protocols and Procedures						
	Operation of Air/Hydraulic Stock Handling Equipment e.g. Gates/Crush/Tub						
	Safe Handling of Fireman						
	Humane Destruction of Livestock						
	Collection and Recording of Dead Animals						
	Post-mortem Protocols and Procedures						
	Disposals of Dead Animals						

Form 4: Individual Training Register – Cattle Receival, Induction, Draft, Cattle Dispatch Training

Date training conducted	Training Provided	Trainer (s)	Certificate Number	Time taken (hrs)	Not Competent/ training required/ competent	Notes / Comments	Supervisor Signature
	Cattle Receival Training						
	Unloading Trucks/ Cattle Receival						
	Arrival Cattle Scanning and Pen Allocation						
	Induction Training						
	Induction – Administration of Drugs and Chemicals						
	Safe Storage of drugs and Chemicals						
	Safe Handling and Preparation of Drugs and Chemicals						
	Inventory Control – Drug and Chemical						
	HGP Inventory Control and Reconciliation						
	Hygiene Protocols and Procedures						
	Induction/ Hospital Treatment Protocols and procedures						
	Safe Knife Handling Practices						
	Bangtail Procedure						
	Mouthing Procedure						
	HGP Application and Use						
	Earmarking/Tagging Procedure						
	Dehorning Procedure and Protocol						

Drafting Training

Mouthing Procedure

Drafting Protocols and Procedures

Identifying Market Specification

Cattle Dispatch Training

Cattle Identification Protocols and
Procedures

Loading of Trucks/Cattle
Dispatch

Form 5: Individual Training Register – Administration

Date training conducted	Training Provided	Trainer (s)	Certificate Number	Time taken (hrs)	Not Competent/ training required/ competent	Notes / Comments	Supervisor Signature
	Administration						
	Possum Gully – Hospital Session						
	Possum Gully – Arrival Session						
	Possum Gully – Induction Session						
	Possum Gully – Drafting Session						
	Possum Gully – Movement Session						
	Possum Gully – Dead Session						
	Possum Gully – Background Session						
	Possum Gully – Lot Creation						
	Possum Gully – Report Generation						
	Possum Gully – Stock Advice Entry						
	Possum Gully – SAN Reconciliation						
	Possum Gully – Exit Session						
	Possum Gully – Induction Reporting Procedure						
	Drafting Reporting Procedure						

Cattle Exit Reporting Procedure

Cattle Death Reporting
Procedure

Training Record Procedures

NLIS Database Operation

Weighbridge Cattle Receival/
Dispatch

Weighbridge Commodity
Receival/ Dispatch

Possum Gully – General
Operation

Stocktake Recording – Drugs
and Chemicals

Stocktake Recording –
Commodities

Form 6: Individual Training Register – Machinery Operation Training

Date training conducted	Training Provided	Trainer (s)	Certificate Number	Time taken (hrs)	Not Competent/ training required/ competent	Notes / Comments	Supervisor Signature
	Machinery Operation Training						
	Loader						
	Bobcat						
	Tip Truck						
	Feed Truck						
	JD Gator						
	Motorbike						
	Tractor/ Pen Scarper						
	Bunk Sweeper						
	Water Cart						
	Grader						
	Excavator						

Form 7: Individual Training Register – Feed and Milling Operation Training

Date training conducted	Training Provided	Trainer (s)	Certificate Number	Time taken (hrs)	Not Competent/ training required/ competent	Notes / Comments	Supervisor Signature
	Feed and Milling Procedures						
	Feed Truck Maintenance						
	Basic Feed Truck Operation						
	Digistar Operation (see below)						
	Feed Delivery Procedures						
	Feed Truck Hygiene						
	Feed Mixing Operation						
	Basic Loader Maintenance						
	Loader Operation						
	Batch Box Maintenance						
	Digistar Operation						
	Supplement Tank Operation						
	Loader hygiene						

Commodity Shed

 Commodity Shed
 Hygiene

 Tub Grinder Hygiene

 Tub Grinder Maintenance

 Tub Grinder Operation

 Tub Grinder Bay
 Management

 Hay Stack Management

 Silage Pit Management

 Bovamine Management

Mill Operation

 Boiler Maintenance

 Boiler start up and shut
 down

 Mill Maintenance

 Steam Chest start up and
 shut down

 Mill start up and shut
 down

 Mill Daily Operation

 Flake Weight Sampling

Moisture Sampling

Record Keeping

Mill Hygiene

Grain Stock Count

Form 8: Individual Training Register – Other General and Operation Training

Date training conducted	Training Provided	Trainer (s)	Certificate Number	Time taken (hrs)	Not Competent/ training required/ competent	Notes / Comments	Supervisor Signature
	Possum Gully and Computer Operation						
	Bunk Call and Feed Estimation						
	Feed Allocation						
	Possum Gully Feed System Operation						
	Job's and Truck Job List Operation						
	Digistar Operation						
	Start up						
	Clear Memory						
	Calibrate						
	General Training						
	Bovine Dynamics on-site training						
	Water Trough Hygiene						
	General Hygiene						
	Operations Training						
	Pen Cleaning Protocols and Procedures						
	Scrapping and Mounding						

 Fence and Apron Cleaning

 Manure Removal and
 Recording

 Manure Storage
 Management

Farm Training

 Safe Storage of Farm
 Chemicals

 Safe Handling and
 Preparation of Farm
 Chemicals

 Safe Application of Farm
 Chemicals

 Inventory Control – Farm
 Chemical

 Deep Ripper Operation

 Spray Rig Operation

 Sowing unit Operation

 Pivot Operation

 Tractor Operation
 Operating Manure
 Spreader

 Operating ATV's

 Chainsaws Operation

 Front End Loader
 Operation

Form 9: Individual Training Register – Group, External and TAFE training

Date training conducted	Training Provided	Trainer (s)	Certificate Number	Time taken (hrs)	Not Competent/ training required/ competent	Notes / Comments	Supervisor Signature
Group Training							
External Courses							
TAFE Training							

Form 10: Complaints Register

[illegible]

Form 11: Site Inspection Checklist

[illegible]



Form 12: Non-Compliance Record

[illegible]

Form 13: Incident Report

Date: _____

Reported by: _____

Site Location: _____

Incident Description: _____

What Happened:

Why: _____

Time and Date: _____

Where: _____

Actual and/or potential impact on off-site people and environment:

Government Authorities Informed:

Managing Director Informed and When:

Action Taken/Planned:

Name: _____

Signature: _____

Managing Director Comment:

Managing Director Signature: _____

Form 14: Hazardous Material Register

[illegible]

Form 15: Operational Recording

[illegible]

Form 16: PIRMP Testing and Review Form

[illegible]

Appendix B – Environmental Licence

Licence Variation

Licence - 3864



RANGERS VALLEY CATTLE STATION PTY LTD
ABN 17 001 060 402
PO BOX 63
GLEN INNES NSW 2370

Attention: Mark Whyte

Notice Number 1575607
File Number EF13/3484
Date 14-Mar-2019

NOTICE OF VARIATION OF LICENCE NO. 3864

BACKGROUND

- A. RANGERS VALLEY CATTLE STATION PTY LTD ("the licensee") is the holder of Environment Protection Licence No. 3864 ("the licence") issued under the *Protection of the Environment Operations Act 1997* ("the Act"). The licence authorises the carrying out of activities at 1304 RANGERS VALLEY ROAD, GLEN INNES, NSW, 2370 ("the premises").
- B. On 02-Feb-2019 the Environment Protection Authority (EPA) received an application for the variation of the licence. The application proposed changes to the licensed fee scales related to quarry activities:
 - I. to increase the activity scale for *crushing, grinding or separating* to more than 100,000 but not more than 500,000 tonnes per year and
 - II. to increase the activity scale for *land-based extractive activities* to more than 50,000 but not more than 100,000 tonnes per year.
- C. The application was accompanied by evidence that development consent DA 2001/42 allows for extraction of up to 125,000 tonnes of material per year.
- D. The variation does not authorise a significant increase in the environmental impact of the activity authorised or controlled by the licence.

VARIATION OF LICENCE NO. 3864

1. By this notice the EPA varies licence No. 3864. The attached licence document contains all variations that are made to the licence by this notice.
2. The following variations have been made to the licence:
 - a. The licensed activity scale for *crushing, grinding or separating* has increased:

Page 1

Licence Variation



- i. from more than 30,000 but not more than 100,000 tonnes per year
- ii. to more than 100,000 but not more than 500,000 tonnes per year. However, this is further limited by Condition L6.4 to be no more than 125,000 tonnes per year.
- b. The licensed activity scale for *land-based extractive activities* has increased:
 - i. from more than 30,000 but not more than 50,000 tonnes per year
 - ii. to more than 50,000 but not more than 100,000 tonnes per year.
- c. Conditions L6.2 to L6.4 have been added to clarify extraction and processing limits for the quarry.

A handwritten signature in blue ink that reads 'Rebecca Scrivener'.

Rebecca Scrivener
Unit Head
North - Armidale
(by Delegation)

INFORMATION ABOUT THIS NOTICE

- This notice is issued under section 58(5) of the Act.
- Details provided in this notice, along with an updated version of the licence, will be available on the EPA's Public Register (<http://www.epa.nsw.gov.au/prpoeo/index.htm>) in accordance with section 308 of the Act.

Appeals against this decision

- You can appeal to the Land and Environment Court against this decision. The deadline for lodging the appeal is 21 days after you were given notice of this decision.

When this notice begins to operate

- The variations to the licence specified in this notice begin to operate immediately from the date of this notice, unless another date is specified in this notice.
- If an appeal is made against this decision to vary the licence and the Land and Environment Court directs that the decision is stayed the decision does not operate until the stay ceases to have effect or the Land and Environment Court confirms the decision or the appeal is withdrawn (whichever occurs first).



Environment Protection Licence

Licence - 3864

Licence Details	
Number:	3864
Anniversary Date:	01-September

Licensee	
RANGERS VALLEY CATTLE STATION PTY LTD	
PO BOX 63	
GLEN INNES NSW 2370	

Premises	
RANGERS VALLEY CATTLE STATION	
1304 RANGERS VALLEY ROAD	
GLEN INNES NSW 2370	

Scheduled Activity	
Crushing, grinding or separating	
Extractive activities	
Livestock intensive activities	

Fee Based Activity	Scale
Cattle, sheep or horse accommodation	> 2500 T accommodation capacity
Crushing, grinding or separating	> 100000-500000 T annual processing capacity
Land-based extractive activity	> 50000-100000 T annual capacity to extract, process or store

Region	
North - Armidale	
Ground Floor, NSW Govt Offices, 85 Faulkner Street	
ARMIDALE NSW 2350	
Phone: (02) 6773 7000	
Fax: (02) 6772 2336	
PO Box 494	
ARMIDALE NSW 2350	

Environment Protection Licence

Licence - 3884



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Environment Protection Licence

Licence - 3864



Information about this licence

Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).

Environment Protection Licence

Licence - 3864



The EPA publication "A Guide to Licensing" contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

This licence is issued to:

RANGERS VALLEY CATTLE STATION PTY LTD
PO BOX 63
GLEN INNES NSW 2370

subject to the conditions which follow.

Environment Protection Licence

Licence - 3864



1 Administrative Conditions

A1 What the licence authorises and regulates

A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

Scheduled Activity	Fee Based Activity	Scale
Livestock intensive activities	Cattle, sheep or horse accommodation	> 2500 T accommodation capacity
Crushing, grinding or separating	Crushing, grinding or separating	> 100000 - 500000 T annual processing capacity
Extractive activities	Land-based extractive activity	> 50000 - 100000 T annual capacity to extract, process or store

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
RANGERS VALLEY CATTLE STATION
1304 RANGERS VALLEY ROAD
GLEN INNES
NSW 2370
RANGERS VALLEY, DUNDEE - EMMAVILLE ROAD, 14 KM FROM DUNDEE. FOR LOT AND DP DESCRIPTION REFER TO CONDITION A2.2.1

A2.2 Premises details

This licence refers to the premises of Rangers Valley. The full description of Rangers Valley is as follows:

Parish of Fladbury County of Gough
 Lots 14, 15, 21, 24, 26, 27, 28, 30, 88, 89 of DP 753278
 Lot 2 of DP 859230
 Lot 25 of DP 659977

Parish of Rangers Valley County of Gough
 Lots A, B, C, D, E of DP 1870

Environment Protection Licence

Licence - 3864



Lot H of DP 32737
Lot I of DP 215201
Lots 3, 17, 18, 20, 21, 22, 23, 24, 25, 31, 43, 44, 47, 48, 50, 53, 73, 74, 83, 84 of DP 753303
Pt Lots 1, 2, 7, 8, 9, 10, 14, 15, 16, 19, 32, 42, 45, 49, 52, 72, 75, 85, 86, 99, 126 of DP 753303

Parish of Wellington Vale County of Gough
Lots 221, 222, 223, 224 of DP 753323

Parish of Louis County of Gough
Lots 6, 7, 8, 9, 19, 21, 22, 23, 24, 25, 26, 32, 40, 67, 120, 131 of DP 753291
Pt Lot 45 of DP 753291

- A2.3 In relation to A2.1 the premises also includes the utilisation areas labelled as EPA Points 27 - 31 and management units 1 - 8 on map titled "Rangers Valley Cattle Station Site Plan" dated 30.07.03.

A3 Other activities

- A3.1 This licence applies to all other activities carried on at the premises, including:

Ancillary Activity
Agricultural Produce Industries
Extractive Industries

A4 Information supplied to the EPA

- A4.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:

- a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
- b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

- P1.1 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.

Environment Protection Licence

Licence - 3864



P1.2 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
2	Surface water quality monitoring		Surface water monitoring point (S2) at Cam Creek causeway on Deepwater Road at "Nant Park" labelled as EPA Point 2 on map titled Environmental Monitoring Points -Location of Surface Water Monitoring points dated 1st May 2007. See Fig 1 - 250832A1/10
3	Surface water quality monitoring		Surface water monitoring point (S3) at grassed waterway in Old 2 paddock labelled as EPA Point 3 on map titled Environmental Monitoring Points -Location of Surface Water MP dated 1st May 2007. See Fig 1 - 250832A1/10
4	Surface water quality monitoring		Surface water monitoring point (S4) at Cam Creek bridge on Rangers Valley Road labelled as EPA Point 4 on map titled Environmental Monitoring Points -Location of Surface Water MP dated 1st May 2007. See Fig 1 - 250832A1/10
5	Surface water quality monitoring		Surface water monitoring point (S5) at Severn River Bridge on the Yarraford Road labelled as EPA Point 5 on map titled Environmental Monitoring Points -Location of Surface Water MP dated 1st May 2007. See Fig 1 - 250832A1/10
6	Surface water quality monitoring		Surface water monitoring point (S6) at Severn River Bridge on the Emmaville Road labelled as EPA Point 6 on map titled Environmental Monitoring Points -Location of Surface Water MP dated 1st May 2007. See Fig 1 - 250832A1/10
7	Surface water quality monitoring		Surface water monitoring point (S7) at Beardy Waters causeway on the Haul Rd (2nd causeway) - upstream of confluence with Severn River, labelled as EPA Point 7 on map titled Env MP -Location of Surface Water MP dated 1st May 2007. (Fig 1)