

**Section 2: Thunderbolt 1 Emergency Response Plan
(Includes Hunt Energy Onshore Drilling
Emergency Response Plan)**



Great South Land
Minerals Limited

Great South Land Minerals Limited ABN 54 068 650 386

BRIDGING
EMERGENCY RESPONSE PLAN
(DRILLING)

THUNDERBOLT 1

SEL 13-98

TASMANIA

2008

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1 GLOSSARY AND DEFINITIONS

DA	Designated Authorities. The Government Agencies responsible for the administration of the relevant Acts in Tasmania
Drilling Contractor	The owner and operator of the Drilling rig. Drilling Rig: Hunt Energy Pty Ltd..
Drilling Plan	GSLM's written directions for the drilling of the well.
GSLM	Great South Land Minerals Limited (License holder and operator)
ERP	Emergency Response Plan The well specific plan to assist Operator's supervisory personnel in their response to an emergency situation that may arise from, or affect, drilling/completion operations. This plan is to be used in conjunction with the Drilling Contractor's HS&E Manual.
ERT	Emergency Response Team The Operator and Drilling Contractor management personnel assigned to develop an emergency response strategy and to carry out response actions in accordance with the Emergency Response Plan and Drilling Contractor's HS&E Manual.
JSA	Job Safety Analysis
License	Government license issued under Mineral Resources Development act giving the holder the right to explore for and develop oil and gas in Tasmania.
Location	The site at which the well is to be drilled.
Operator	Great South Land Minerals Limited the company which holds the license to explore for hydrocarbon accumulations in the Lease area. Or, in a lease area in which one or more companies hold or are earning an interest; the company designated as responsible for the operations.
PIC	Person in Charge; GSLM's Drilling and Completion Supervisor, the person on the wellsite with ultimate responsibility for - <ul style="list-style-type: none">▪ The safety, health and welfare of those working at the wellsite.▪ The conduct of the well drilling & completion operations.▪ Safeguarding the well and the environment.
MRT	Mineral Resources of Tasmania. The primary regulatory authority for this well.
RFDS	Royal Flying Doctor Service
SAR	Search and Rescue.
Site	The Drilling, Well and areas around the rig where drilling equipment is sited or drilling/completion related operations are carried out. Also referred to as the lease or wellsite.

2.0 DOCUMENT HANDLING

2.1 Document Distribution

1. GSLM - Drilling Manager
2. GSLM – Drilling Supervisor
3. GSLM – Management Team

HUNT ENERGY

4. Contractor Field Manager
5. Area Manager

REGULATORY AUTHORITY

6. Mineral Resources Tasmania

2.2 Document Control

This Bridging ERP is a “controlled document”. Should the recipient (user) become aware of any changes or corrections that are required please contact:

Mr. Duncan New: Drilling Manager..... 03 6231 9339

2.3 Document Approval

This Bridging ERP has been reviewed by GSLM and Hunt Energy and it is agreed:

- The drilling of Thunderbolt 1 presents no high or unacceptable risks either to the safety of personnel associated with project or the environment.
- No new, unique or increased hazards were identified for the campaign;
- The HSE policies and management systems have been jointly reviewed and no fundamental conflicts were found to exist.

This Bridging ERP is approved for the GSLM Thunderbolt 1 well to be drilled in 2008.

Thunderbolt #1

GSLM: R Neel

Drilling Manager

Duncan New

10, 9, 2008

Date:

HUNT ENERGY:

CJB

Christopher Brown

10, 9, 2008

Date:

3. SITE SPECIFIC INFORMATION

3.1 Well and Emergency Response Details

WELL DETAILS

Operator:	<i>GSLM Limited</i>
Permit Area:	<i>SEL 13-98</i>
Name of Designated Authority:	<i>MRT</i>
Initial Authority for Oil Spills:	<i>MRT</i>
Applicable Oil Spill Plan:	<i>Hunt Energy Oil Spill Contingency Plan</i>
Thunderbolt 1 Details:	<i>Northing: 5,287,200, Easting: 466,844</i>
(AGD 66 Zone 55)	<i>Dunrobin Road</i>
Depth and Drilling Time of Well:	<i>2600m MDRT / 37 days + rig move</i>
Type of Well:	<i>Oil and Gas Exploration</i>
Estimated Spud Date:	<i>October/November, 2008</i>

EMERGENCY MANAGEMENT

Emergency Services:	Phone 000
Operations Base:	Hobart
Emergency Management:	Emergency Services / GSLM / Forestry Commission
Name of Drlg Manager:	Duncan New (Mob 0402 344 674 - 24 hrs)
Name of Drlg Supervisor / PIC:	Gary Crawford
Forestry Tasmania:	Robin Hutchings (Ph (03) 62881501)

DRILLING CONTRACTOR

Drilling Contractor:	<i>Hunt Energy</i>
Name of Rig Manager:	Mick Coleman
Name of the Rig:	Hunt Energy Rig #3

LOGISTICS

Logistics Base:	Hobart
Logistics Coordinator:	Duncan New (Mob 0402 344 674 – 24hrs)
Aviation Base:	Launceston and Hobart
Transport Contractor:	ITAC: Paul Edwards (Mob 0412 335 122)

MEDICAL ARRANGEMENTS

Preliminary Treatment:	Qualified First Aider / Ambulance Paramedic
Nominated Hospital:	Royal Hobart Hospital, Hobart (Ph 03 6222 8308)
Secondary Hospital:	Launceston General Hospital, Launceston (Ph 03 6348 7111)
Medivac Provider:	Emergency services (ambulance). Ph 000

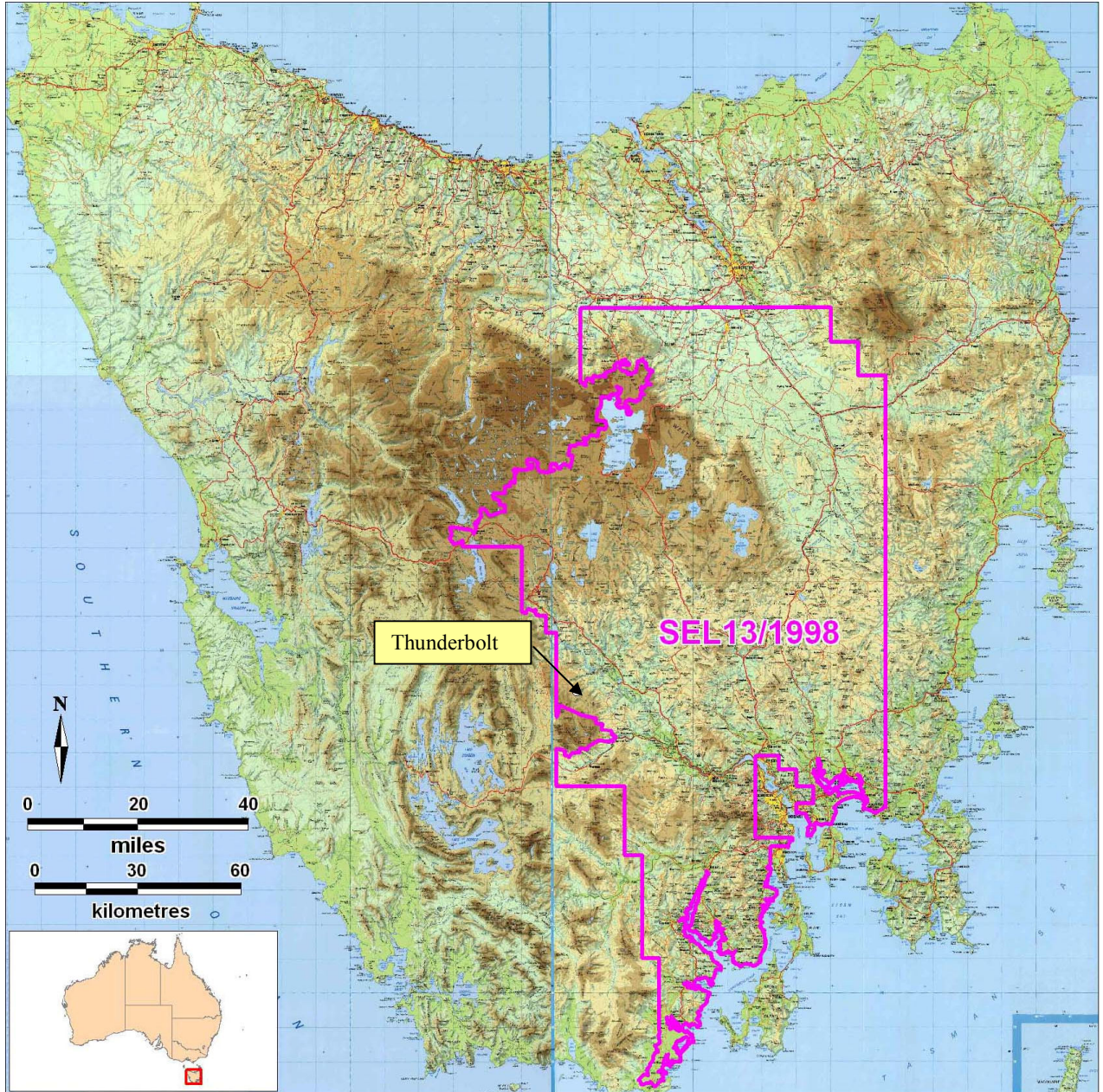
FIRE SERVICES

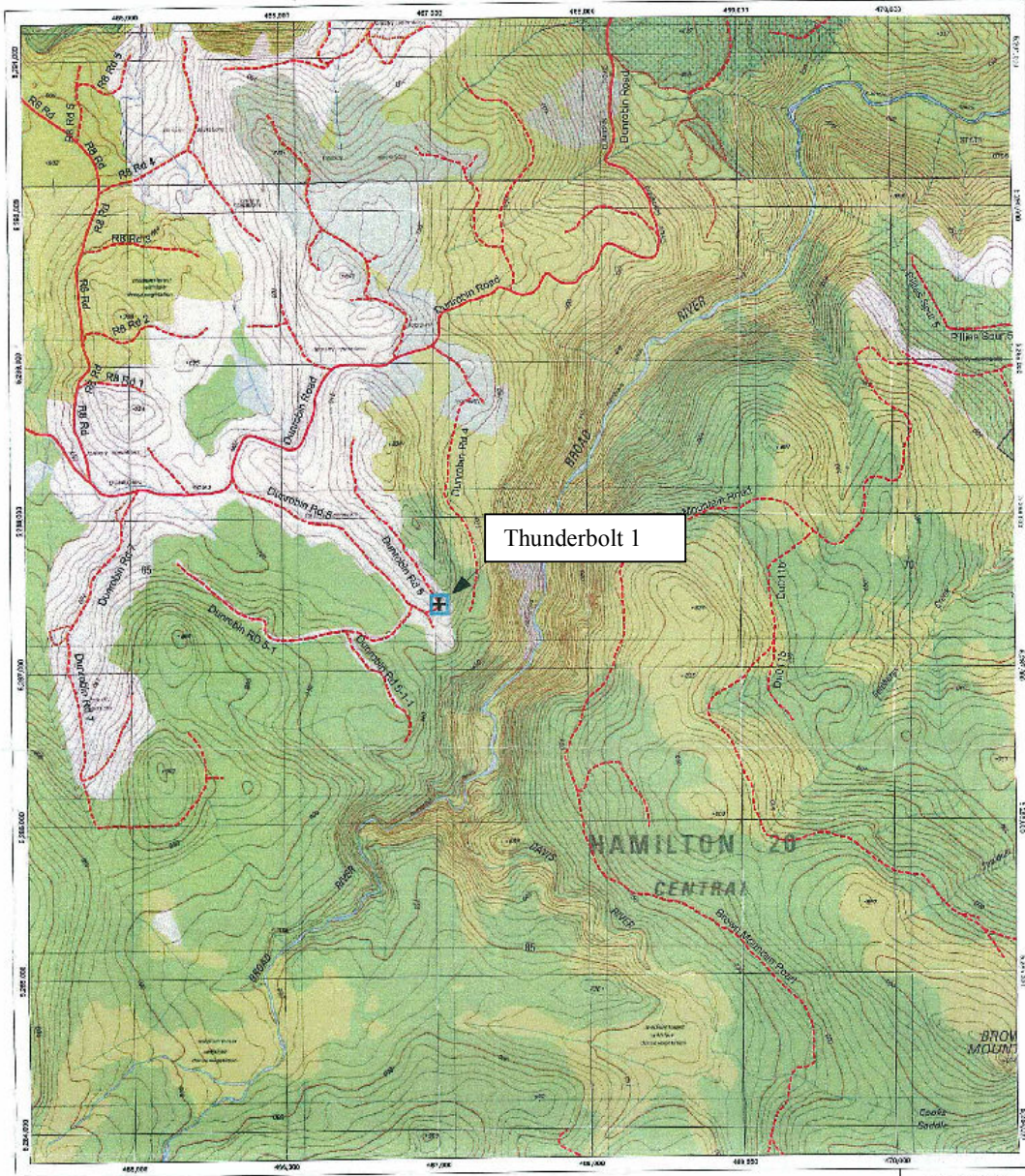
Tasmanian Fire Service **Head Office** PH: (03) 6230 8600

WELL CONTROL

Well Control Specialist: Alert Disaster Control (Ph 03 8361 6526)

LOCATION MAPS





drill text

DPW 25K Topo Map Image

- + RP033 Drill Site
- Significant all weather 2 lane feeder road
- Single lane all weather minor road
- Single lane minor road

NOTE: Coordinates on this map are based on GDA94.

LOCATION MAP

4431	4631	4831
4430	4630	4830
4429	4629	4829
4428	4628	4828
4427	4627	4827
4426	4626	4826

GSLM drill site location

Plot identifier: _____

Date: Thursday, 31 July 2008

Prepared by: bsp

Prep work: _____

Scale 1:25,000

4. BRIDGING DOCUMENT OVERVIEW

4.1 Project Overview

GSLM propose to drill Thunderbolt 1 as an oil/gas exploration well to a depth of approximately 2600m in SEL 13-98, using Hunt Energy Rig #3. 17 ½" surface hole will have been pre-drilled to approximately 350m by the Gerald Spaulding Drillers rig. Once the Hunt rig has been rigged up and inspected the 13 3/8" surface casing will be run and cemented. 12 ¼" intermediate hole will be drilled to approximately 1800m and the hole evaluated with wireline logs and DST's (if required). 9 5/8" intermediate casing will then be run and cemented. 8 ½" production hole will then be drilled to 2600m and the hole evaluated with wireline logs and drillstem tests as required. The well will then be cased and suspended or plugged and abandoned.

4.2 Responsibilities

In any emergency situation on a drilling location or while moving to/from the location there are shared responsibilities between GSLM and Hunt Energy (see Appendix 1 below) and these responsibilities need to be clearly defined and understood by all parties to avoid any confusion or delays during an emergency.

GSLM has overall responsibility for the drilling operation conducted on its behalf and for conformance to the requirements of Mineral Resources Development Act 1995 of Tasmania.

These responsibilities extend to ensuring good environmental management and the respect and preservation of any areas of cultural and Native Title importance. These responsibilities are in addition to the normal corporate responsibilities for employees and the public.

Hunt Energy also has similar corporate responsibilities as above, with direct responsibilities for their personnel and equipment associated with the drilling operation.

As both GSLM and Hunt Energy have similar HSE Systems and Emergency Response Plan's in place, it is necessary to clarify any areas of overlap or possible confusion between the two sets of documentation and to clearly define the rolls and responsibilities of each organisation.

Hunt Energy Emergency Response Plan forms part of this Site Specific Bridging Emergency Response Plan and will be used in conjunction with the GSLM Emergency Response Plan.

4.3 Objectives

The objective of this Bridging Emergency Response Plan is to demonstrate that the HSE and Emergency Management systems covering all mobilization, wellsite and demobilization operations are clearly stated, resulting in the safe drilling of Thunderbolt1 in SEL 13-98.

It is the intention of GSLM and Hunt Energy, to have a clear demarcation of HSE and emergency management interfaces and to ensure there is no uncertainty as to roles, responsibilities, organizational structure, management of safety, operating procedures and reporting structure.

4.4 Scope

This Bridging Emergency Response Plan encompasses all HSE, drilling and associated operations to be conducted in 2008 at the Thunderbolt 1 location.

4.5 Method

The process for developing this Bridging Document is summarised as follows:

- HSE System Manual and Emergency Response Plan (ERP) review;
- Review of the Hunt Energy HSE Management System and ERP;
- Review of Hunt Energy Rig #3 Facility Description and Fit For Purpose Documentation;
- Definition of the Hunt Energy HSE management system elements to be used and relevant system interfaces;
- Review of the Hunt Energy Hazard Register for applicability to the Campaign.

5 HSE ROLLS AND RESPONSIBILITIES

5.1 Site Person in Charge (PIC)

The Drilling Supervisor is the designated Person in Charge of the operation in an emergency situation. Hunt Energy Rig Manager will continue to direct rig and camp personnel with respect to normal operations.

Should the Drilling Supervisor be incapacitated, injured or unable to adequately perform the required duties, Hunt Energy Rig Manager shall assume the responsibilities of the PIC until GSLM has positioned a replacement supervisor on site.

The Drilling Supervisor should not operate any of the drilling contractor's plant or equipment and where practical should relay all his instructions, in writing, via the drilling contractor's site manager.

5.2 Compatibility of HSE Policies

Both GSLM and Hunt Energy have compatible HSE Policies in place.

Crew / personnel inductions, toolbox meetings and PTW System procedures can be conducted by both GSLM and Hunt Energy personnel without confusion of content or responsibility. The Hunt Energy rig manager will normally be responsible for giving inductions etc to Century personnel and the GSLM drilling supervisor all 3rd party contractors.

5.3 HSE Procedures

Hunt Energy HSE Procedures will be deferred to in respect to all HSE activities including Permit To Work (PTW), Job Safety Analysis (JSA), Hazard Identification, Risk Assessment and Accident / Incident Reporting.

The Hunt Energy HSE Procedures will be the minimum standard to be used by ALL personnel on the Thunderbolt location. This includes all Hunt personnel, all third party contractors, all GSLM personnel and all visitors to the rig.

Hunt Energy Drug and Alcohol policies will also apply, as a minimum standard, to ALL personnel on location, including GSLM and third party contractors.

5.4 Well Control

The Hunt Energy Well Control Procedure will initially be implemented by the Hunt Energy Rig Manager / Driller with subsequent input / calculation and direction from the GSLM drilling

supervisor and Hunt Energy rig crews who have been trained and where appropriate accreditation in accordance with Hunt Energy well control procedures. This training and accreditation regime will not be varied. The GSLM drilling supervisor will be the designated Person in Charge of all well control incidents.

Alert Disaster Control can mobilise well control equipment and personnel if required.

5.5 Safety Issues / Muster Stations / Emergency Response

Hunt Energy Emergency Response Procedures will be deferred to in respect to muster stations and responses required to emergencies on-site. Hunt Energy emergency flow charts are included within the Contractor HSE Manual – ERP of the Site Specific ERP.

The flow charts incorporated within the ERP are to be used as a guide and reminder by the GSLM Drilling Supervisor to ensure all the necessary procedures and checks are carried out to GSLM requirements. The ERP details the emergency organisation and responsibilities of the Emergency Response Team (ERT) and its support mechanisms to the Hunt Energy Rig Emergency Response Plan, organisation and responsibilities.

5.6 Hazardous Substances

Hazardous substances transported to the Hunt Energy Rig #3 are documented in accordance with Dangerous Goods regulations. Hunt Energy will ensure that all hazardous materials onsite (including 3rd party hazardous materials) and used during the campaign are controlled in accordance with the Hunt Energy HSE Management System.

The Drilling Manager will provide relevant information including Material Safety Data Sheets (MSDS) to Hunt Energy for all chemicals and hazardous materials provided by for the campaign.

All hazardous materials will be transported, handled and stored according to Hunt Energy procedures as a minimum standard.

5.6.1 Drilling Fluids and Cementing Chemicals

Only approved 3rd Party Contractors will control the storage and handling of the cementing, drilling fluids and mudlogging chemicals. This will be done in conjunction with the Hunt Energy safe work practices.

5.6.2 Radioactive Materials

Radioactive materials must be stored in a dedicated and appropriate container. Only approved, trained, licensed and certified 3rd Party Contractor personnel will be authorized to handle these materials. Approved contractors will control the storage and handling of these materials in conjunction with the Hunt Energy safe work practices. Personnel transporting or handling radioactive material must have a Tasmanian license to do so.

5.6.3 Explosives

Only approved, trained, licensed and certified 3rd Party Contractor personnel will be authorized to handle these materials. Approved contractors will control the storage, separation and handling of these materials in conjunction with the Hunt Energy safe work practices.

5.7 Safety Systems

The following Hunt Energy safety systems will be used, as a minimum by all personnel during all stages of the operation:

- Permit to Work
- JSA
- Standard Operating Procedures
- Safety meetings (Pre Spud, pre job, pre tour and weekly)
- Emergency Drills
- Enforcement of Drug and Alcohol Policies

The following safety features will be used to ensure the well is drilled in a safe manner and that GSLM's requirements are compatible with Hunt Energy systems and procedures.

- All drilling operations will conform to GSLM's management policies (Environmental, Safety etc).
- All drilling operations will be carried out in accordance to the procedures outlined in the Drilling Operations Manual (DOM). The DOM provides details of standards to be applied to GSLM wells as well as standard operating procedures for all wells. The DOM is consistent with the standard operating procedures of Hunt Energy.
- A Drilling Program will be prepared that provides a description of the safety features incorporated in the well design. These include casing design, drilling fluid design, well control and other related drilling procedures. The drilling program will be given to Hunt Energy so they can confirm that the planned well does not contravene any of their policies and that the contracted rig is fit for purpose.
- Good communication will be maintained between Hunt Energy and GSLM field representatives
- Good communications will also be maintained between Hunt Energy and GSLM management.
- Regular meetings will be held between GSLM and Hunt Energy to discuss safety and operational issues.

6 OPERATIONS

Operations Base: For drilling in the permit area SEL 13-98, the designated Operations Base will be in Hobart, which will coordinate the activities associated with the drilling program. It will also be the primary point of contact for all emergency notifications from the well site and/or the drilling contractor.

Logistics Base: The designated Logistics Base for the Thunderbolt 1 well will be GSLM's office in Hobart which will initiate the supply of equipment and materials through the Drilling Manager. In emergency supplies and equipment may also be available from other sources such as the Hunt Energy supply basis in Adelaide.

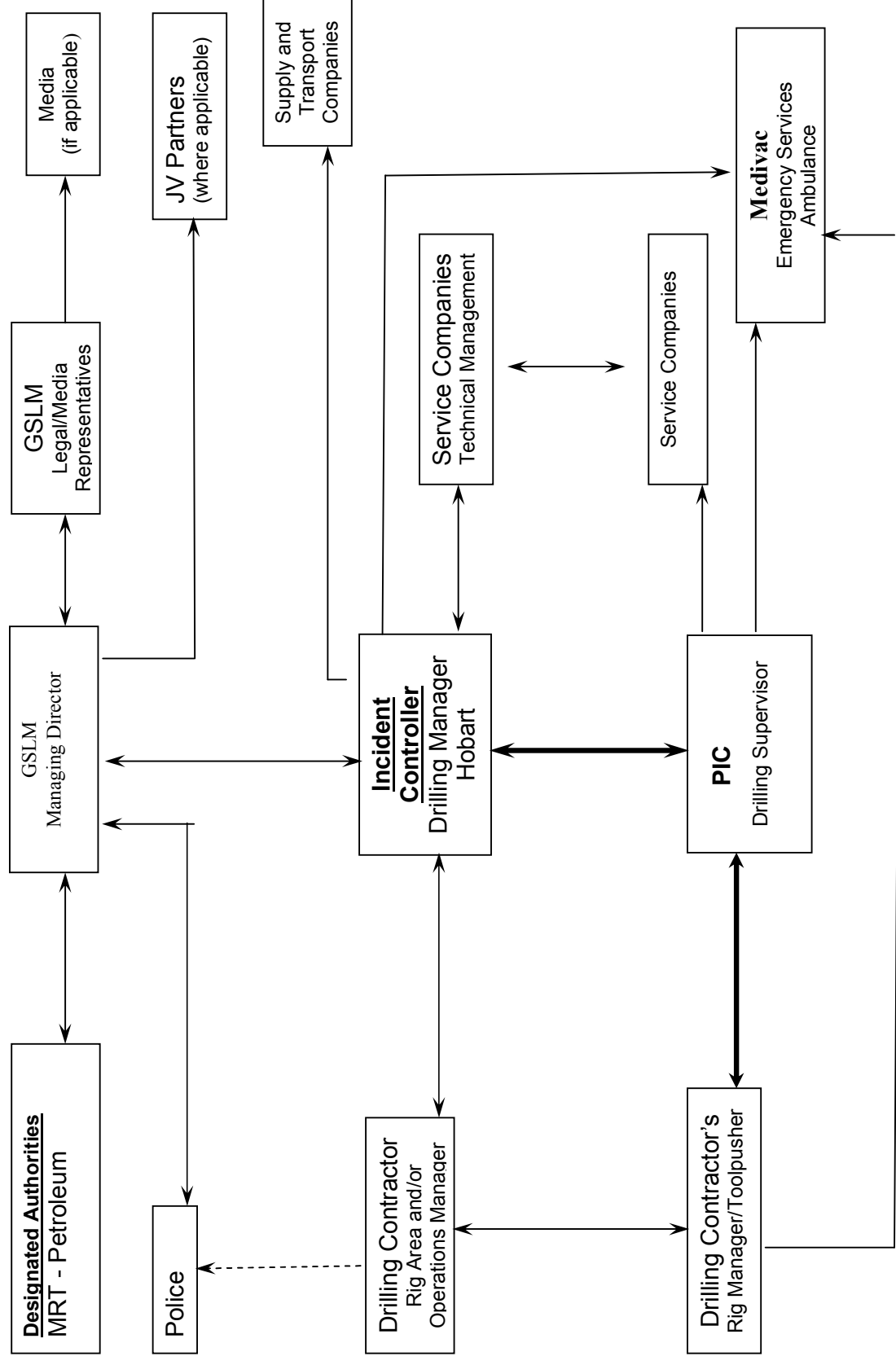
Aviation Support Base: Launceston and Hobart are the designated aviation support bases for the operations and will provide aircraft transfers to/from the rig via commercial aircraft.

APPENDICES

APPENDIX 1: Emergency Response Interface

EMERGENCY RESPONSE INTERFACE

GSLM Ltd and Hunt Energy Pty. Ltd.



APPENDIX 2: Contacts

	Position	Phone	Website / E-mail
GSLM Office Phone Office Fax Duncan New Clive Burrett Phil Simpson James Williamson Shane Bartel Paul Heath	 Drilling manager Chief Geologist Director Accountant Environmental Consultant Executive Geologist	(03) 6231 9339 (03) 6231 9625 0402 344 674 0439 659 721 0418 128 838 0412 590 393	www.gslm.com duncan.new@gslm.com clive.burrett@gslm.com abexchange@bigpond.com james.williamson@gslm.com Shane.bartel@gslm.com Paul.heath@gslm.com
Emergency Fire, police, ambulance Nearest Police Station Nearest Fire Station Tasmanian Fire Service Cnr Argyle and Melville Streets HOBART TAS 7000 State Emergency Service - Launceston State Emergency Service – Hobart Level 1, 47 Liverpool Street Hobart Tasmania 7000 Royal Hobart Hospital, 48 Liverpool St Hobart TAS 7000 Launceston General Hospital 287-291 Charles St Launceston 7250 Forestry Tasmania Head Office, Hobart 79 Melville Street Hobart, Tasmania - 7000 Robert Hutchings (Emergencies)	 Hamilton, Lyell Hwy Ouse Lyell Hwy	 000 (03) 6286 3203 (03) 6287 1211 (03) 6230 8600 (03) 6230 2707 (03) 6230 2700 03 6222 8308 (03) 6348 7111 (03) 6233 8203 (03) 62881501	Give location as Dunbobin Road. ses@ses.tas.gov.au : ses@ses.tas.gov.au forestry.tasmania@forestrytas.com.au Robin.Hutchings@forestrytas.com.au
Drilling Contractors Hunt Energy Larry Werecky Chris Brown	 Managing Director Operations manager	(08) 8322 7511 0418 806 281 0429 838 202	huntenergy@huntenergy.com.au larrywerecky@bigpond.com chrisbrown@huntenergy.com.au

Gerald Spaulding Drillers Keyran Spaulding	Director	(03) 6424 6900 0417 013 619	www.spauldingdrillers.com.au keyran@spauldingdrillers.com.au
Well Services & Equipment			
Halliburton (Cementing & casing Equip)		(08) 8116 7925	www.halliburton.com
Summer Al Hussaini	Cementing engineer	0434602788	sumer.Al-Hussaini@halliburton.com
Halliburton SEC (Bits)		(08) 8150 1219	
Roger Ryley	Bit representative	0410 002 373	roger.ryley@halliburton.com
Transco Tools and Bits		(08) 8326 5599	
Jim Stobie	Managing Director	0407 007 643	drillbits@ozemail.com.au
Steve White	Pason technician	0439 814 842	steve.white@pason.com
Hofco (Drilling Tools)		(07) 5527 2939	
Kerstine Plimmer	Operations Manager	0412 377 881	kerstine@hofco.com.au
RMN (Mud)		(08) 8338 7288	
Andre Skujins	Manager	0428 833 872	abc76048@bigpond.net.au
Wood Group (Wellheads)		(08) 8243 4700	
Fraser Melvin	Manager	0418 500 806	fraser.melvin@woodgroup.com
Stewart Jury	Service Manager	0409 179 944	stewart.jury@woodgroup.com
MITO (Casing)		(08) 8224 0226	
John Dickson	Area Manager	0411 771 630	john.dickson@mitubulars.com.au
Chris Skewers	Contracts Manager	0412 21 1608	christopher.skewers@mitubulars.com.au
Midcon (casing)			
IDS (daily reports)		+62 2743 3432	www.idsdatanet.com
Shawn Truesdell	Area Manager	0406 515 387	struesdell@idsdatanet.com
Alert (blowout control)		+65 6545 5088	www.alertdisastercontrol.com.sg
Douglas Wulf	Business Manager	0400 450 065	dwulf@alert.com.sg
Archeological Heritage	Parry Kostoglou	(03) 6278 9598	
Aboriginal Heritage	Rocky Sainty	(03) 6247 3994	Rocky.saintly@dpiwe.tas.gov.au
Well Evaluation			
Schlumberger		(03) 9674 7131	www.schlumberger.com
Rob Twigg	Account Manager	0401 994 284	rtwigg@slb.com
Weatherford Logging		(03) 5144 3255	
Rex Tench	Manager		

Geoservices		(08) 8297 5010	www.geoservices.com
Lee Forman	Business Manager	0419 847 734	leigh.forman@geoservices.com
Cathryn Stevens	Personnel Coordinator	0448 338 114	cathryn.stevens@geoservices.com
DST Australia		(07) 4622 2655	www.ozdst.com
Craig thorn	General Manager	0427 691 050	craigthorn@ozdst.com
Sue Thorn	Admin Manager	(07) 4622 2655	mgr@ozdst.com
Farly Riggs		(08) 8240 3222	
Ewan McDonald	Operations Manager	0400 219 709	ewan@farlyriggs.com.au
Bill Butler (Viapac)	Acoustics Engineer	(03) 6244 5566	
Logistics/Earthworks			
Gradco (earthworks)		(03) 6339 2535	www.gradco.com.au
Oliver Diprose	General manager	0418 314 438	odiprose@gradco.com.au
ITAC (Logistical coordinator)		(03) 9335 4444	www.itac.com.au
Paul Edwards	Managing Director	0412 392 692	jhiggs@itac.com.au
Kellara Transport (Local Transport)		(03) 6326 3955	www.kellaratransport.com.au
Ken Hughes	Managing Director	0409 445 515	knekellara@bigpond.com
Regulatory			
MRT		(03) 6233 8377	www.mrt.tas.gov.au
Carol Bacon	Managing geologist		cbacon@mrt.tas.gov.au
John Pemberton	Senior Geologist		jpember@mrt.tas.gov.au
Wojciech Grun	Mining Engineer		wgrun@mrt.tas.gov.au
DEPHA	Oil Pollution Control Officer	1 800 005 171	

APPENDIX 3: Hunt Energy Emergency Response Manual



HUNT ENERGY & MINERAL CO-AUSTRALIA PTY LTD
ACN 075 814 390 / ABN 52075814390

ONSHORE DRILLING EMERGENCY RESPONSE PLAN

Developed by:

Hunt Energy Safety Manager

Manual No: Uncontrolled

No. Uncontrolled

To Supervisors and Contractors

The enclosed "Emergency Response Plan" is for Onshore Drilling Operations.
Please sign the following page, "ACKNOWLEDGEMENT OF RECEIPT", of this document
and return it to:

ATTENTION: The Managing Director
 Hunt Energy & Mineral Co – Australia Pty Ltd
 15 Scarborough Way Lonsdale SA 5160

The Plan is to provide guidelines for individual responsibilities of key personnel in the event of an emergency that may threaten the safety of personnel, the well, equipment, or the environment. This Plan should compliment common sense and procedures as described in the Operations & Safety Manual, Government Regulations and other established operations and safety procedures.

Please familiarise yourself with this manual and ensure that all personnel understand their actions, roles and responsibilities in Emergency situations.

This manual should be made available to all personnel involved in the operation for their reference.

LARRY WERECKY
Managing Director

THIS MANUAL REMAINS THE PROPERTY OF HUNT ENERGY-AUST

Reviewed 01/07/06
Updated 02/01/08

HUNT ENERGY & MINERAL CO – AUSTRALIA PTY LTD
ONSHORE DRILLING – EMERGENCY RESPONSE PLAN

ACKNOWLEDGEMENT OF RECEIPT

EMERGENCY RESPONSE PLAN:

COPY NO: Uncontrolled

I acknowledge receipt of the above-mentioned document.

NAME OF RECIPIENT:.....

TITLE OF RECIPIENT:.....

ORGANISATION NAME:.....

ORGANISATION ADDRESS:.....

SIGNATURE:.....

DATE:.....

NOTE: PLEASE RETURN THIS FORM TO HUNT ENERGY - ADELAIDE OFFICE

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Reviewed 01/07/06
Updated 02/01/08

DISTRIBUTION LIST

ADELAIDE

File Copy

Managing Director

Safety Manager

Operations Manager

SITE

Drilling Supervisor

Rig Manager

DESIGNATED AUTHORITY

Queensland Department of Natural Resources & Minerals

Victorian Department of Primary Industries

Primary Industries & Resources South Australia.

Department of Minerals & Energy W.A. – Petroleum Division

Mineral Resources Tasmania

(as applicable)

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Reviewed 01/07/06
Updated 02/01/08

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1.0 INTRODUCTION

1.1 PURPOSE OF THIS MANUAL

Objective

The objective of this document is to:

- Describe response procedures to be followed in the event of an emergency at or near the well site or rig camp.
- Detail the responsibilities of those personnel involved in the incident and provide a logical reporting procedure.
- Define the role and procedures of the Emergency Response Group (ERG) in mobilising and co-ordinating external support resources for use in an emergency.
- This document should be used as a guide as it is not designed to replace good oil field practices, common sense or statutory regulations.

Revisions

This document and its distribution is controlled by Hunt Energy & Mineral Co – Australia Pty Ltd. The Managing Director shall approve all revisions.

To initiate a revision, the revised or additional article should be submitted to Managing Director for approval.

Associated Manuals

This Plan should be read in conjunction with:

- Operators Onshore Drilling Operations Manual
- Operators Occupational Health and Safety Plan
- Drilling Contractors Operations & Safety Manual
- Minerals Resources Development Act 1995

Definition

An emergency can be defined as an event that has resulted, or may result in the serious injury and/or loss of life to personnel, damage and/or pollution to the environment, loss and/or damage to the well and/or loss or damage to equipment.

Potential Causes of an Emergency

Personnel must be aware of the potential hazards that exist at or around the well site that may cause an emergency. Examples of some potential emergency situations are:

- Fire and Explosion at the well site or in the immediate area of the site.
- Uncontrolled escape of hydrocarbon liquids or gas.
- Uncontrolled escape of formation water.
- Uncontrolled escape of toxic or corrosive gases.
- Spill of hazardous or toxic chemical.
- Major malfunction, structural or mechanical failure of equipment.
- Medical emergency due to personal injury, reptile or spider bite, exposure or heat stress and personal medical condition or allergy.
- Severe storms.
- Motor vehicle accident.
- Failure of a leased aircraft or vehicle to arrive at a designated point at the scheduled time.
- Fire in the accommodation block or other facilities at the rig camp.

IF THERE IS ANY DOUBT AS TO WHETHER THERE IS AN EMERGENCY, TAKE THE DECISION TO INITIATE THE EMERGENCY RESPONSE PROCEDURE.

1.2 COMMUNICATIONS PROCEDURES

The following rules should be adhered to in an emergency:

General

- All communications should be by telephone and/or facsimile or email.
- All verbal instructions and messages should be confirmed by facsimile or email.
- All messages should be kept as brief and accurate as possible.
- All messages/instructions should be accurately logged including times and names of persons making and receiving the calls.

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Well Site

Rig Manager or Designate:

- Make initial contact with the operator Drilling Supervisor, Hunt Energy Managing Director and/or the next member of the Emergency Response Group (ERG) according to duty roster and notification sequence, until a member is successfully contacted.
- Make contact with any emergency service necessary for any immediate action that is required.
- Keep messages as brief and accurate as possible
- Keep a log of all calls related to the emergency to and from the site. Where possible all verbal messages should be confirmed by facsimile.

Operators Head Office

Drilling Superintendent or Designate:

- Contact General Manager & Hunt Energy Managing Director & notify of situation.
- Contact & activate any emergency response service that requires immediate action.
- Provide technical assistance to the well site.
- Keep messages/instructions as brief as possible.
- Keep a log of all calls related to the emergency. All verbal instructions & messages should be confirmed by facsimile or email.

General Manager:

- Contact & activate any emergency response service that requires immediate action.
- Contact & activate Emergency Response Group & Emergency Incident Media Response Plan as necessary.
- Notify any Government Authorities of the emergency as required.
- Keep messages/instructions as brief & accurate as possible.
- Keep a log of all calls related to the emergency using the Emergency Communications Log (Sect. 3) including times & names of persons receiving & making the calls. All verbal instructions & messages should be confirmed by facsimile or email.

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Emergency Response Group:

- Contact & activate any resources necessary to provide assistance to control the emergency.
- Provide information & support to Emergency or Accident Investigation services & police.
- Provide technical assistance to well site.
- Keep messages/instructions as brief and accurate as possible.
- Keep log of all calls related to the emergency. All verbal instructions & messages should be confirmed by facsimile.

1.3 EMERGENCY REPORTING FORMAT

In an emergency situation, it is imperative that all emergency messages & reports clearly & concisely relay the nature of the problem & request for assistance.

The following Emergency Reporting Format is included for reference, as the requirements for each emergency situation may vary. In addition to its use in assisting the formatting of reports, the following format can be used as a quick checklist.

All verbal reports should be confirmed by a facsimile or email.

All emergency reports sent or instructions received should be logged & the names of the caller & receiver noted.

ACCIDENT / INCIDENT REPORTING

- Name of well location.
- Name of Rig.
- Description and severity of accident / incident.
- Time accident / incident occurred.
- Cause of accident / incident if known.
- Status report of well security, equipment, personnel and environment as appropriate.
- Details of any injured, dead and missing personnel including:
 - number of personnel involved
 - name, company, position of personnel
 - cause of injury or death
 - details of injuries
 - details of any treatment given
 - location and time person last seen (if missing person)

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Note Medical Evacuation Form should be completed as per Sections 2.6 and 2.7.
(Copies are attached in Enclosure).

- Weather conditions (including wind strength and direction, etc).
- Actions taken on site and emergency services activated.
- Details of assistance requested from outside emergency.
- Assistance required from Operators Emergency Response Group (ERG).
- Any other points that may be relevant to the emergency.

1.4 RESPONSIBILITIES OF PERSONNEL

The following is a summary of personnel positions and responsibilities. The Designate will act on the nominated supervisors behalf in his absence.

Safety Priorities are:

- 1. PERSONNEL**
- 2. WELL**
- 3. PROPERTY & ENVIRONMENT**
- 4. EQUIPMENT**

1.4.1 Drill Site

Operator Personnel

Drilling Supervisor	- Responsible for all drill site activities. -DESIGNATE: Well Site Geologist. -Drilling Contractor Personnel
Rig Manager	-Responsible for all activities related to Drilling Contractor equipment and personnel. -DESIGNATE: On tour Driller.
On tour Driller	-DESIGNATE: Off tour Driller.
Site Communications Officer	-Nominated person responsible for all Communications during an emergency. DESIGNATE: As nominated.

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Note 1: In the absence of Operators' nominated personnel, the Senior Drilling Contractor person on site will assume responsibility.

Note 2: The Site Communications Officer (and Designate) will normally be a Drilling Contractor employee nominated by the Rig Manager.

1.4.2 Hunt Energy - Head Office

Managing Director	- Responsible for overall Hunt Energy operations. POSITION: Mr Larry Werecky DESIGNATE: Operations Superintendent
Operations Superintendent	-Responsible for co-ordinating logistics of Rig operations. POSITION: Chris Brown DESIGNATE: Drilling Superintendent
Drilling Superintendent	-Responsible for co-ordinating drill site activities. DESIGNATE: Rig Manager

1.4.3 Emergency Response Group (ERG)

- An Emergency Response Group (ERG) will be centred initially at Operator Head Office, and will be made up of a number of key Operator personnel plus other seconded Operator personnel, Contractor Management or Specialist Consultants as deemed necessary.
- The ERG will be responsible for the provision of offsite expertise, assistance to onsite personnel, and co-ordinating all efforts to overcome an on-site emergency situation.
- The ERG will be responsible for liaising with Operators senior management, Emergency Incident Media Response Group, Contractors, and Government authorities.

ERG Membership

The ERG will comprise of a core group of the following Operator personnel:

Hobart

- Managing Director / General Manager
- Operations Superintendent
- Drilling Superintendent
- Occupational Health, Safety & Environment Manager.

Seconded ERG Members

Operations will second the following personnel as necessary:

- Other Operator personnel
- Drilling Contractor Management
- Service Company Management
- Logistic Contractor Management
- Specialist Consultants.
- Depending on the nature of the emergency, the ERG may relocate to a post close to the well site.

2.0 EMERGENCY RESPONSE

2.1 GENERAL

- Overall Authority on site during the emergency will be the Operator Drilling Supervisor.
- The Operator Drilling Supervisor will be the primary contact during an emergency.
- All communications off the site regarding the emergency incident are to be directed through the Operator General Manager or designate.
- The Operator Drilling Supervisor is to be informed of any hazards that may affect the safety of the crew, equipment, environment or well.
- Priority will be given to the safety of personnel at all times.
- Operator General Manager & drilling contractor Managing Director to be kept informed of the status of the emergency.
- Drilling contractor Operations Superintendent to be kept informed of the status of the emergency.
- General Manager, (Operator) will have overall authority & responsibility in the event of an emergency.
- The Rig Manager is to co-ordinate on-site efforts to control the emergency in conjunction with the Operator Drilling Supervisor & inform the Hunt Energy Managing Director.
- ERG will co-ordinate activities and provide assistance as necessary to overcome the emergency.

2.2 DESIGNATED MUSTER POINT.

In any emergency where the drill site is considered dangerous to personnel, the site will be evacuated as directed by the Drilling Supervisor. All personnel will assemble at a designated muster point, and if this is at **Muster point #1**, remove their tag from the Evacuation Board. There will be ‘two’ designated muster points nominated prior to commencement of drilling operations and all personnel informed of their location.

The **Primary Muster Point** (muster point #1) shall be located at the corner of the Rig Manager’s office adjacent to the Emergency Shutdown system.

An **Alternate Muster Point** (muster point #2) should also be nominated to provide a safe location if the Primary Muster Point is considered unsafe for personnel due to the direction of the prevailing winds, or if access is impeded.

2.3 WELL CONTROL

A Well Control situation may progress through three phases that are described as follows:

Phase 1 (Alert)

- Well has kicked and is being killed using normal well control procedures as detailed in the Operations Manual.

Phase 2 (Alert)

- Well Control may not be achieved due to equipment failure or operational problems.
- When a Phase 2 alert is declared, all non-essential personnel are to evacuate the well site and assemble at the Designated Muster Station.
- All attempts are to be made to control the well, provided personnel safety is not jeopardised.

Phase 3 (Emergency)

- Uncontrolled blowout and control of the well can no longer be regained.

The crew, equipment, well and environment are in imminent danger.

- Alarm to be sounded.
- All personnel to evacuate the site and assemble at the Designated Muster Station.
- All personnel to be accounted for.
- The ERG will begin co-ordination of well capping operations.

Note: Phases will be declared by the Drilling Supervisor in consultation with the Rig Manager.
Operator General Manager or designate & Hunt Managing Director are to be notified of all phases.

2.4 FIRE OR EXPLOSION

- Alarm is to be sounded.
- Immediately confirm the location and extent of the fire.
- Ensure all personnel are accounted for.
- Activate emergency response teams to fight the fire or contain the damage caused by the explosion.
- Administer medical treatment to any injured personnel.
- Arrange for medical evacuation of any injured personnel.
- Activate local resources (e.g. SES) to assist in extinguishing or containing the fire.
- Evacuate non-essential personnel to Designated Muster Station as necessary.
- If site becomes dangerous and poses a risk to personnel safety, **all** personnel to be evacuated and assemble at the safest Designated Muster Station, or alternate site.
- Operator General Manager or designate & Hunt Energy Managing Director are to be notified of the emergency and kept updated on the situation.

2.5 ESCAPE OF GASES

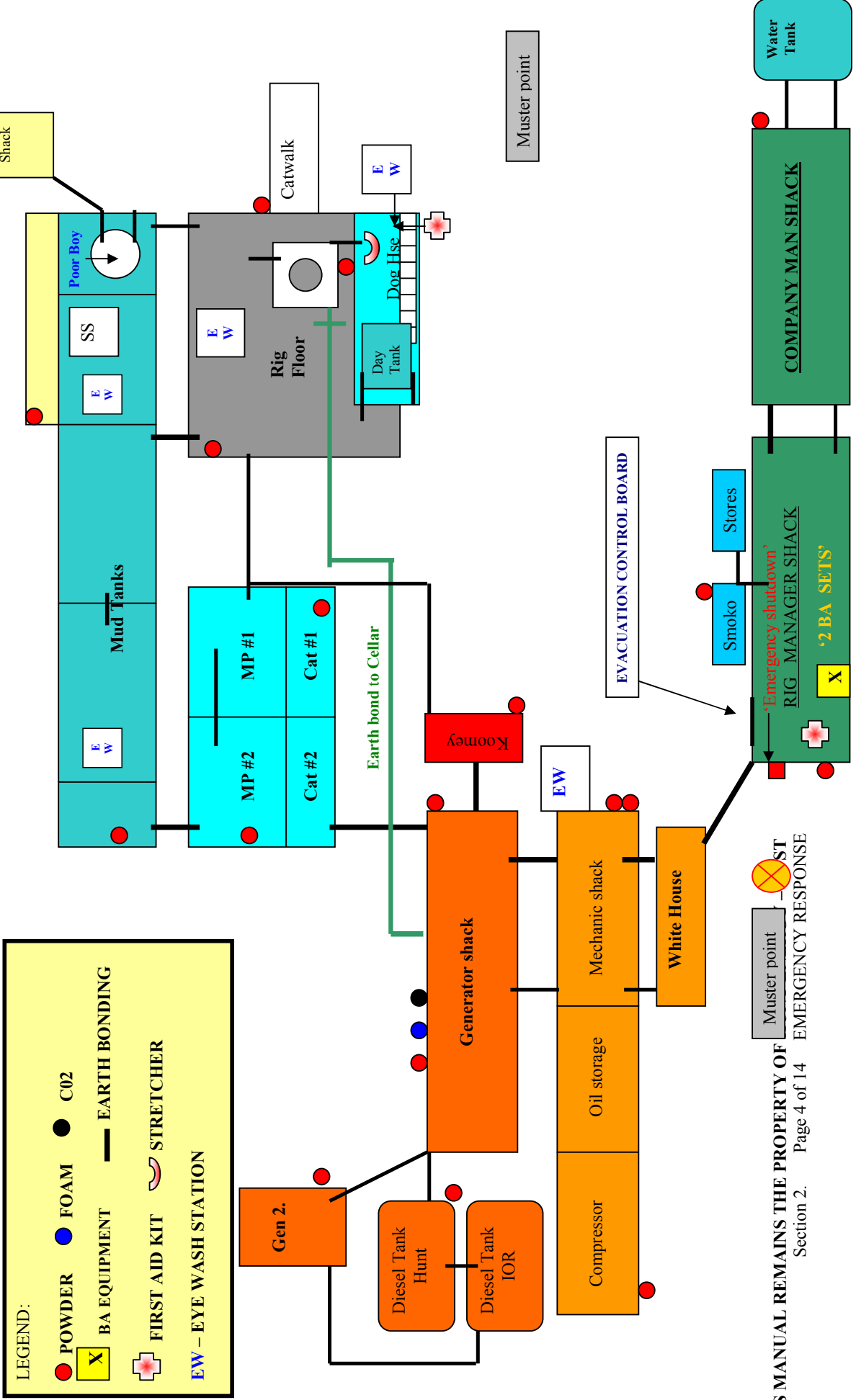
In most cases, gases escaping from a well will be toxic, flammable and corrosive, therefore extreme care should be exercised when entering any area where gas is present.

- Hydrocarbon gases are extremely flammable and are easily ignited. Hydrocarbon gases can also cause death by asphyxiation.
- Hydrogen Sulphide Gas (H₂S) is extremely toxic and corrosive. H₂S can quickly cause death if inhaled at relatively low concentrations. It also leads to the loss of smell at toxic concentrations making it ever more dangerous.
- Carbon Dioxide (CO₂) is toxic and corrosive. CO₂ can cause death due to asphyxiation.

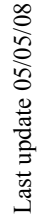
Both CO₂ and H₂S are denser than air and will naturally flow to lower areas (e.g. the cellar, valleys, etc.), therefore, appropriate precautions to test the atmosphere must be taken before entering any suspect area when quantities of these gases are thought to be present.

SECTION 2.0
EMERGENCY RESPONSE

RIG #2 EMERGENCY FACILITIES SCHEMATIC



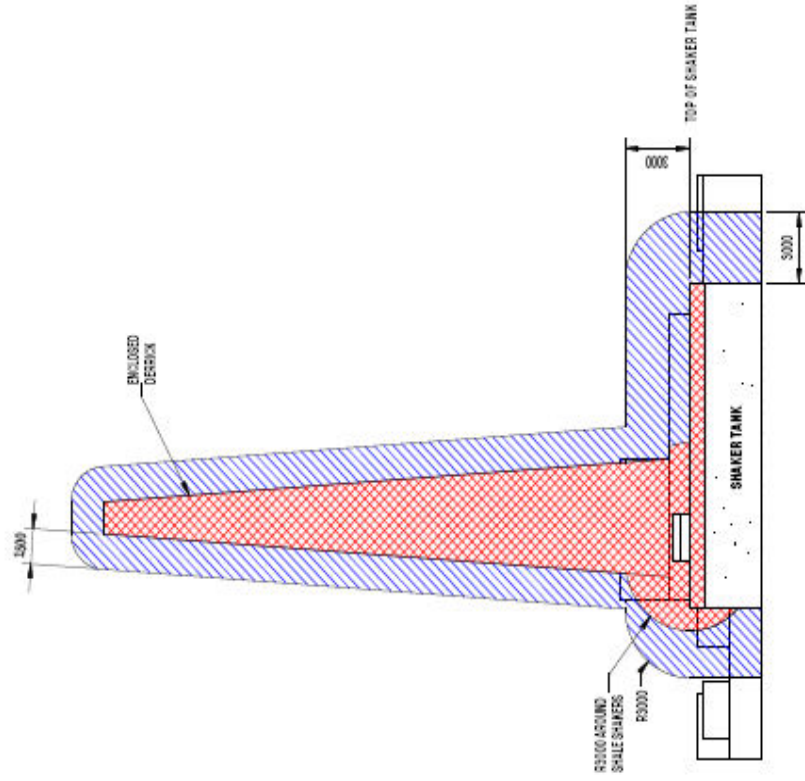
SECTION 2.0 EMERGENCY RESPONSE



SECTION 2.0 EMERGENCY RESPONSE



SECTION 2.0 EMERGENCY RESPONSE



SECTION C-C
SCALE (1:200)

Client: HUNT ENERGY
Project: RIG LAYOUT

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Procedures detailed under Well Control (Section 2.3) should be followed in the event that the escape of gases is from the well.

If the presence of a toxic or corrosive gas release is anticipated or observed, the following procedure should be followed.

- Alarm to be sounded.
- All personnel to be notified.
- Well to be shut in and secured or take other necessary action to cut-off the gas flow.
- All hot work (e.g. welding, friction cutting) to be suspended.
- Shut down all engines if possible.
- If breathing apparatus & tanks are available, ensure compressor inlets are checked before any air cylinders are filled.
- Evacuate all hazardous areas e.g. rig floor, cellar, mud pits, areas immediately down wind, etc.
- Evacuate all non-essential and/or all personnel to up wind Designated Muster Station as deemed necessary.
- All personnel are to be accounted for.
- All personnel entering the affected areas shall wear breathing apparatus.

Note:

Any person using a breathing apparatus must be trained and certified in its use.

- A minimum of '2' persons is to enter a gas-affected area, i.e. Buddy System.
- Administer medical treatment to injured persons.

Note:

Resuscitation should be given immediately to any persons affected by the toxic gas.

Arrange for medical evacuation of injured persons.

- Initiate any local resources to assist.
- Operator General Manager & Hunt Energy Managing Director to be notified of the emergency and kept up to date on the situation.

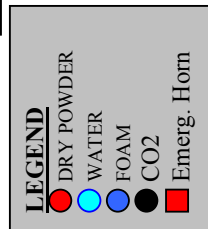
Note:

If it is anticipated that toxic or corrosive gases will be encountered, then procedures detailed in the Drilling Operations Manual should be followed.

2.6 FIRE EMERGENCY – RIG CAMP

- If the fire is small & easily contained, use the appropriate fire extinguisher to put the fire out, & then report immediately to the Camp Manager & Rig Manager.
- If in any doubt or the fire is established, **raise the alarm** & initiate evacuation.
- Check rooms & assist other personnel to evacuate if they are having difficulty. Ensure that the First Aid box is collected by the designated camp attendant or other nominated person.
- Shut down camp generators (if safe to do so) where leaving them running creates a more significant hazard. If generators are shut down, turn off supply from diesel tanks if possible.
- Proceed to Muster Point #1 if safe to do so, or Muster Point #2 if the former is in a hazardous position in relation to the fire.
- The Camp Manager or designated replacement will conduct a head count to determine if all personnel are safe. He will also send someone to raise the alarm with the Rig Manager.
- Provide first aid or medical treatment to anyone injured as a result of the fire or evacuation.
- If personnel are missing, a search & rescue attempt will be initiated as appropriate, as well as a fire fighting team if practical, to try & extinguish or contain the fire.
- If the fire is contained to one building, & it is safe to do so, use the front end loader if available to try to drag the burning building away from the others.
- All personnel not directly involved with emergency teams must remain at the muster point until help arrives, or assist as directed by the Camp Manager, Rig Manager or other person in charge.
- Make arrangements to evacuate any seriously injured personnel using services as covered under Section 2.7 & Section 4.
- Complete reporting & investigation as covered under Section 3. of this manual & Section 10.15 of the Onshore Drilling Operations & Safety Manual.

RIG #3 CAMP FIRE EXTINGUISHER & EVACUATION PLAN (EVACUATE ON CONTINUOUS HORN BLAST)

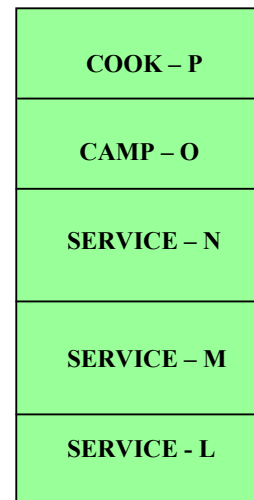
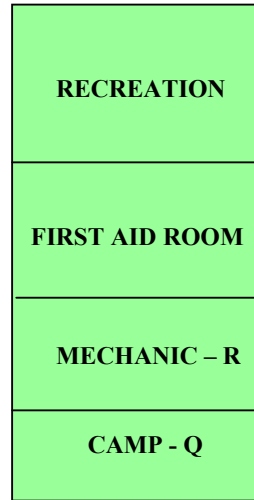
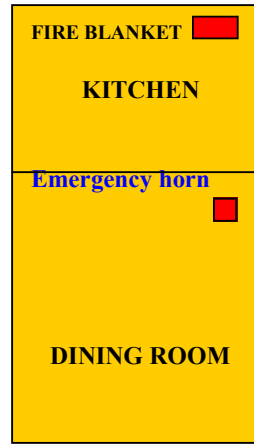


MUSTER POINT #1

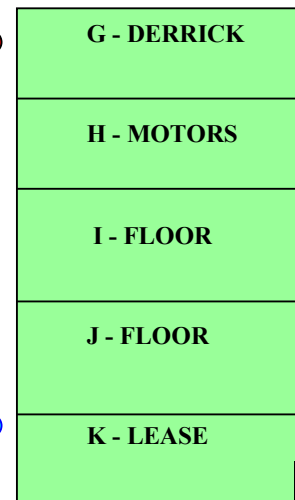
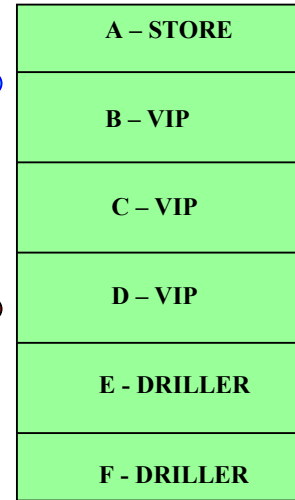
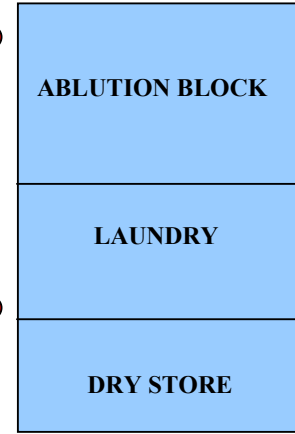
CARPARK

CARPARK

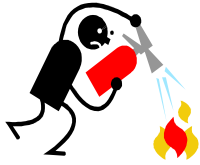
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MUSTER POINT #2



2.7 CAMP FIRE EMERGENCY PROCEDURE

In the unlikely event of a fire occurring at this camp, the following procedure should be followed:

- If the fire is small & easily contained, use the appropriate fire extinguisher to put the fire out, & then report immediately to the Camp Manager.
- If in any doubt or the fire is established, sound the alarm & initiate evacuation.
- Check rooms & assist other personnel to evacuate if they are having difficulty.
- Proceed to **Muster Point #1** if safe to do so, or **Muster Point #2** if the former is in a hazardous position in relation to the fire.
- The Camp Manager or designated replacement will conduct a head count to determine if all personnel are safe. He will also send someone to raise the alarm with the Rig Manager.
- Provide first aid or medical treatment to anyone injured as a result of the fire or evacuation.
- If personnel are missing, a search & rescue attempt will be initiated as appropriate, as well as a fire fighting team if practical, to try & extinguish the fire.
- All personnel not directly involved with emergency teams must remain at the muster point until help arrives, or assist as directed by the Camp Manager, Rig Manager or other person in charge.
- Make arrangements to evacuate any seriously injured personnel using services as covered under Sect. 2.7 & Sect. 4.



SAFETY MANAGER

2.8 MEDICAL EMERGENCY (MEDIVAC)

- Make immediate area safe if necessary.
- Check victim for vital signs.
- Administer medical treatments as necessary.
- Move victim to safer or more comfortable position as necessary.
- Arrange for external medical assistance as necessary.
- Arrange for medical evacuations as necessary e.g. site vehicle, ambulance, flying doctor, etc.
- Medivac Patient Information Sheet (as on Page 10 & 11 with blank copies in the enclosure) should be completed and copies sent to ambulance depot, receiving hospital, doctor, & Hunt Energy Operations Manager or Operator Drilling Manager or designate as applicable. The original should be kept on site for record.
- Notify police in the case of serious injury or death.
- Notify Operator General Manager of emergency and keep updated on the situation.

Note:

1. If injured person is in a location where further injury is likely then the patient should be moved to a safer location. If an injured person is to be moved, adequate care must be taken to ensure that further injury is not inflicted.
2. In case of serious injury or death the injured/dead person should not be moved until the ambulance/police arrive. The location where the injury occurred should not be disturbed other than to make it safe.
3. If possible, photos of the injured person and general area should be taken for future reference.
4. All actions relating to treatment of the injured are to be accurately documented.
5. All communications, including instructions are to be accurately logged.

2.8 MEDIVAC PATIENT INFORMATION SHEET

Name of Patient:

.....
(surname) (given names)

Date of Birth:

Company:

.....

Designation: Nature of Injury/ Illness

.....
.....
.....
.....
.....

Vital Signs:

Colour

State/extent of bleeding (if any)

State of consciousness.

Pulse

Blood pressure

Any other symptoms considered important

.....

Treatment/medication given:

.....
.....
.....
.....

Allergies/any other medications used:

.....
.....

If medical problem, any previous history of same or similar nature

.....
.....
.....

Blood group:

Type of medical aid required:

If X-rays required: Yes / No

Ambulance stretcher case: Yes / No

Medical escort required on flight: Yes / No

Accommodation or transport required: Yes / No

Any other

information:.....

.....
.....

Signature (Medic):

Date:.....

Distribution:

- Copy to be sent with patient copies to Drilling Supervisor and Rig Manager
- Faxed copies: Operations Manager, receiving Hospital
- Original to be retained for records

3.0 RESPONSIBILITIES AND FUNCTIONS

3.1 GENERAL

- All personnel on site will have knowledge of the Emergency Response Plan, the Onshore Drilling Operations and Safety Manual, and the Tasmanian Mineral Resources Development Act 1995
- All personnel on site have the responsibility to immediately report to the Operator's Drilling Supervisor or Drilling Contractors Rig Manager on any actual or potential emergency situations, and to implement actions to prevent or contain the situation if possible. A single extended horn blast will alert of **all** emergencies, & then specific information will be communicated between the Rig Manager, Driller and the crews. Monitor wind direction daily. The default Muster Point is #1 unless too dangerous.

NOTE: Unless absolutely unavoidable, only the Operator Drilling Supervisor or Designate should initiate the reporting procedure.

3.2 ON SITE PERSONNEL

Operator Drilling Supervisor

The Operating Drilling Supervisor is responsible for the direct control of an emergency. Senior Company and Contractor personnel on site at the time of the emergency may act as advisers.

The Operator Drilling Supervisor will be completely familiar with the operations of the well site and the Emergency Response and Drilling Operations Procedures. In the event of an emergency the Operator Drilling Supervisor will:

- Immediately assume control of the situation.
- Implement and co-ordinate the Emergency Response Procedure.

Assess the extent, nature and cause of the emergency in respect of:

- Possibility of escalation.
- Actual or potential major escape of hydrocarbon.
- Actual or potential major escape of toxic or corrosive gases.
- Actual or potential fire and/or explosion.
- Actual or potential cause of damage or harm to personnel, equipment, well and environment.

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SECTION 3.0
RESPONSIBILITIES & FUNCTIONS

The Operator Drilling Supervisor should also decide on immediate actions to contain and overcome the emergency. The actions to be considered include:

- Shut down of all or part of the operations including securing the well and activating rescue, fire fighting equipment or other appropriate action including administering first-aid.
- Notify Operator General Manager & drilling contractor Managing Director and keep up-dated on status of emergency.
- Notifying, alerting or calling for assistance from the emergency services as necessary e.g. Fire Brigade, Police, Medical Services or pollution monitoring authorities. (EPA)
- Evacuate all non-essential personnel, or if necessary, **all** personnel to designated Muster Station, depending on the risk to personnel safety.
- Ensure all personnel are accounted for and co-ordinate rescue and treatment of any injured persons.
- Ensure that the safety of rescue or fire fighting teams is not jeopardised.
- Ensure access gates are opened as necessary.
- Rig Manager and drilling crew to implement and co-ordinate well control procedures and document all events.
- Take photos of damage to equipment or location, etc, if possible provide appropriate reports after the event.
- Ensure Site Communications Officer logs all incoming and outgoing calls & faxes.
- Co-ordinate service company personnel as necessary for well control operation or other emergency operations.
- Ensure that all emergency procedures implemented are in accordance with Government Regulations, Operators Procedures and good oil field practice.

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Well Site Geologist

- Act as the Drilling Supervisors designate.
- Assist as directed by the Drilling Supervisor.
- Ensure all events and actions are logged.
- Ensure all company and service personnel are accounted for.

Rig Manager

The Rig Manager is responsible for the safety of all Hunt Energy personnel and equipment, and his duties include:

- Ascertain type & extent of the emergency and notify Drilling Supervisor. Keep Drilling Supervisor updated of the situation.
- Co-ordinate all rescues and fire fighting crews.
- Ensure the alarm and appropriate warnings are given for each emergency situation.
- Liase with and assist the Drilling Supervisor as necessary.
- Ensure all Hunt Energy personnel are accounted for.
- Ensure Hunt Energy personnel follow correct emergency procedures.
- Inform and liase with Hunt Energy management as necessary.
- Ensure correct well control procedures are implemented.
- Ensure correct on-site medical treatments and Medivac procedures are followed.
- In conjunction with the Drilling Supervisor, decide on evacuation procedures.
- Ensure that a Site Communication Officer (SCO) is in place and that Emergency Communications Procedures are followed.

Drillers

- Implement initial well shut-in procedures.
- Implement any other immediate emergency response procedures necessary.
- Notify Rig Manager of emergency.

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- Take the tour book to the muster point for roll call as a backup in case the magna board is not accessible.
- Act as directed by the Rig Manager.
- Co-ordinate and control drilling crews in rescue and fire fighting response roles.

Site Communication Officer (SCO)

The designated SCO is responsible for manning the designated communication centre & ensuring communications are maintained within and outside the well site in accordance with the Emergency Procedure. At the Drilling Supervisor's direction, notify, alert and call for assistance, & advise Operator General Manager or designate, drilling contractor Managing Director and relevant emergency services. A log of time, people's names, action, requests and events will be maintained. The SCO will ensure that telephone communication lines are kept clear during the emergency.

The SCO must be completely familiar with the communication systems and the requirements of communication in the procedures. In the event of an emergency, the SCO will:

- Immediately man the designated communication centre.
- Implement, at the direction of the Drilling Supervisor, the procedures applicable to the emergency.
- Immediately initiate an emergency log, noting down the time of sequential events and communication. All events, communications, instructions etc, are to be logged.
- Keep copies of all communications and instructions received and sent.
- All medical treatments and instructions to be logged, including names of receiver and caller and time of the call.

Note: To maintain communications, outgoing calls should be made on the facsimile/data line, leaving the designated voice line clear for incoming calls.

Mud Engineer

- Proceed as directed by the Drilling Supervisor to assist or evacuate the location.
- Ensure mud is in such a condition to enable the required density increase to be achieved.

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**SECTION 3.0
RESPONSIBILITIES & FUNCTIONS**

- As directed by the Drilling Supervisor, increase mud weight in active system to ensure correct mud properties are achieved.
- Provide back-up well kill calculation if requested.
- Monitor and test mud for corrosive, toxic or hydrocarbon substances as directed.

Cementer

- Proceed as directed by the Drilling Supervisor to assist or evacuate the location.
- Be prepared to circulate/kill the well as directed by the Drilling Supervisor.
- As directed by the Drilling Supervisor, pump kill mud and accurately record all pressures, rates and volumes of fluids pumped.

Mud Logger

- Proceed as directed by the Drilling Supervisor, to assist or evacuate the location.
- Record all pressures, volumes, displacements, etc, relating to the well and circulating system.
- Provide back-up well kill calculations if requested.
- Monitor and test mud for corrosive, toxic or hydrocarbon gases.

SOTA

- Proceed to the Muster Point & provide the names of contract personnel on site.
- Support the Rig Manager as requested to manage personnel, to help with search & rescue, First Aid, or any other duties where assistance is required.

3.3 OTHER COMPANY AND CONTRACTOR PERSONNEL

If other company personnel are on site at the time of the emergency situation, they will function under the direction of the Operator Drilling Supervisor who is responsible for direct control of the emergency and has absolute authority in situations involving the safety of all personnel and/or equipment and well control. The Operator Drilling Supervisor may use the services of any personnel on site, or he may decide they should be evacuated from the well site.

NOTE: If senior company personnel on site wish to assume control and responsibilities, then a request to do so must be made in writing to the General

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Manager, who will then approve in writing that the person or persons shall assume total control and responsibility.

Other Service Company Personnel

Proceed as directed by the Operator Drilling Supervisor to assist or evacuate the location.

3.4 OPERATOR'S OFFICE BASED PERSONNEL RESPONSIBILITIES

Drilling Manager or Superintendent

- Notify General Manager of emergency and keep him up-dated on the situation.
- Provide Drilling Supervisor with technical and emergency back-up.
- In consultation with Hunt Energy Management, evaluate options and recommend action to the Drilling Supervisor.
- Obtain a list of any casualties and details of injuries and pass to Operators' Manager.
- Obtain details of damage to equipment or the environment and pass to the Manager, Mineral Resources Tasmania
- Authorise responses as appropriate.
- Co-ordinate Medivac operations as required.
- Document all communications, instructions and reports.

General Manager

- Activate ERG as deemed necessary.
- Notify, instruct and delegate responsibilities to members of ERG as necessary.
- Notify, advise and instruct Drilling and Service Contractors as necessary.
- Activate the Emergency Incident Media Response Plan as deemed necessary.
- Arrange for Operator's representative(s) to proceed to the well site as necessary.

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**SECTION 3.0
RESPONSIBILITIES & FUNCTIONS**

- Ensure arrangements have been made for reception of Medivac patients or other evacuated personnel.
- Notify and liaise with Government Authorities as necessary.
- Request outside assistance from other Operators and government agencies as required.
- Liaise per Emergency Incident Media Response Plan and keep up-dated of situation (provide details of all injuries and damage, cause (if known), actions taken to control situation, etc).
- After consultation with appropriate technical staff, initiate well capping and/or 'relief well' operations as necessary.
- Ensure that all events and communications are accurately logged.

Emergency Response Group Members

To assist as instructed by the Operator General Manager.

SECTION 3.0

RESPONSIBILITIES & FUNCTIONS

SCO _____ Sheet # _____ Date _____

Signed _____

Deliberately left blank

4.0 EMERGENCY SERVICES

The Emergency Services include:

Fire Brigade, Police, Ambulance, Medical Services, SES and Environmental Control Authorities, Mineral Resources Tasmania & other government agencies as necessary.

The relevant service(s) will be notified in the event of an emergency situation that cannot be controlled, or is not immediately controlled by the facilities on site.

These emergency services would normally be co-ordinated by the ERG, but in situations where immediate actions are required, these services may be contacted directly by the Drilling Supervisor.

Contact numbers are attached in the **Directory - Section 7.0**.

4.1 FIRE BRIGADE / SES

On instruction from the Drilling Supervisor the SCO will notify the Fire Brigade / SES or other available services of the emergency situation.

On receipt of notification of an emergency, the Fire Brigade / SES or other relevant organisation will send appropriate services to the well site.

The Drilling Supervisor will ensure the attending services are fully informed of the situation, ie the nature and extent of the situation and also the exact location of the well site.

4.2 POLICE

On the instructions from the Drilling Supervisor the Police will be notified by the SCO of the emergency and will send appropriate services to the well site.

The Drilling Supervisor will ensure the Police are fully informed of the situation and also the exact location of the well site.

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4.3 AMBULANCE & MEDICAL SERVICES

On instruction from the Drilling Supervisor the Ambulance Service will be notified by the SCO of the emergency and will send, if requested, appropriate services to the well site.

The SCO will notify the Ambulance Services of the extent and requirement for emergency services. The Ambulance Services will notify the Royal Flying Doctor Service and relevant hospital(s) as required.

The Drilling Supervisor will ensure that the Ambulance/Medical Services are fully informed of the situation and exact location of the well site.

The relevant hospital will be notified by the SCO of the number and type of injuries to be expected.

Sections 2.6 and 2.7 should be referred to in the case of medical evacuation.

4.4 MINERAL RESOURCES TASMANIA

MRT will need to be contacted in any situation where serious injury or a fatality has occurred at the rig site. They also need to be contacted in the event of serious fire, explosion, major chemical spill, loss of well control, major equipment failure or other traumatic events.

Emergency Contact numbers are attached in the Directory –

5.0 STATE AUTHORITIES AND LOCAL COUNCILS

5.1 TASMANIA – MINERAL RESOURCES TASMANIA

MRT will be immediately notified of an emergency situation involving a major escape of hydrocarbons with or without fire, or any other significant emergency including death or serious injury to personnel and significant damage to plant or equipment. The General Manager (Operator), in liaison with Hunt Energy management (as required), will notify MRT of an emergency in accordance with the Emergency Response Reporting Procedure, as required under the Mineral Resources Development Act 1995.
(See **Emergency contact list in Section 7.0**)

5.2 VICTORIA – DEPT OF PRIMARY INDUSTRIES

The same procedure will apply as above.

5.3 WESTERN AUST – DEPARTMENT OF MINERALS & ENERGY.

The same procedure will apply as above

5.4 QUEENSLAND – DEPARTMENT OF NATURAL RESOURCES & MINES

The same procedure will apply as above

5.5 SOUTH AUST - PRIMARY INDUSTRIES & RESOURCES S.A. - WORKPLACE SERVICES.

The same procedure will apply as above

5.6 LOCAL COUNCIL

The Shire Council will be immediately notified and kept updated of any emergency situation that may directly involve the local community.

5.7 POLICE

In the event of a serious injury or death, the local Police **MUST** be contacted and given all the required details for them to put their attendance plan into operation. The accident scene will be left **undisturbed** until authorisation is issued by police.

In case of an emergency, **section 4.2** is to be followed and contacts listing **section 7.0** reviewed.

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6.0 DIRECTORY OF ORGANISATIONS AND PERSONNEL

Hunt Energy & Mineral Co –Australia Pty Ltd

6.1 Well Site

Rig #2

Rig #3

Rig main phone 08 81218950 / 0147157363
Satellite Phone 0145 116 918 / 0145 124796
Satellite fax 0145 216 918 / 0145 224796
CDMA Mob: 0428 891 029 / 0427 798 430
Camp Mob: 0427 163 884 / 0438 375 306

6.2 Adelaide Office

Address: 15 Scarborough Way
Lonsdale SA 5160
Telephone: (08) 8322 7511
Fax no: (08) 8322 7533
After Hours: 0418 806 281 (Larry Werecky – Managing Director)
0429 838 202 (Chris Brown – Operations Manager)
Email: huntenergy@huntenergy.com.au

6.3 Directory of Personel

Larry Werecky	Managing Director	Mobile 0418 806 281 (all hours) Email: larrywerecky@bigpond.com
Christopher Brown	Operations Manager	Mobile 0429 838 202 (all hours)
Joe Ortuso	Materials /Logistics Manager	
Ken Mee	Safety Manager	
Ian Thomas	Personnel & Training.	
Jill Calder	Accounts / Payroll	

6.4 State Authorities

Mineral Resources of Tasmania (03) 6233 8377

6.5 GSLM contact

Duncan New	Drilling Manager	Office (03) 6231 9339 Mob. 0402 344 674
------------	------------------	--

7.0 EMERGENCY CONTACT NUMBERS – TASMANIAN OPERATIONS

7.1 EMERGENCY SERVICES CONTACT NUMBERS

FIRE, POLICE, AMBULANCE EMERGENCY

CALL 000

POLICE:

Attendance

131444

**Hamilton
Lyell Hwy, Hamilton**

(03) 6286 3203

HOSPITALS:

**Royal Hobart Hospital
48 Liverpool St, Hobart 7000**

Enquiries

(03) 6222 8308

**Launceston General Hospital
287 – 291 Charles St. Launceston 7250**

Enquiries

(03) 6348 7111

7.2 STATE FIRE SERVICES

EMERGENCY

CALL 000

Tasmanian Fire Service Hobart

(03) 6230 8600

State Emergency Services Hobart

(03) 6230 2700

7.3 DRILLING CONTRACTOR CONTACTS

Hunt Energy

**Mr Larry Werecky (MD)
Christopher Brown (Ops)
Adelaide Office**

**0418 806 281
0429 838 202
(08) 8322 7511**

7.4 STATE AUTHORITY

Mineral Resources Tasmania

**Carol Bacon
John Pemberton
Wojciech Grun**

**Managing Geologist
Senior Geologist
Mining Engineer**

(03) 6233 8377

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7.5 POISONS INFORMATION CENTRE

Australia wide

131126

7.6 WELL CONTROL SPECIALIST

Alert Disaster Control

+65 6545 5088

Appendix 4: Hunt Energy Environmental Incident Procedure

HUNT ENERGY & MINERAL CO. AUST PTY LTD

ENVIRONMENTAL POLICY

Hunt Energy is committed to the preservation of the environment and will conduct all operations and activities with environmental protection as a prime objective. Hunt Energy will follow guidelines as set down by the Environmental Protection Authority and relevant industry standards. In particular, Hunt Energy will:

Ensure that all employees and contractors are aware of their responsibilities for environmental protection through induction to this policy and customer requirements. In addition, Hunt Energy will:

- Minimise the possibility of pollution to soil water or air, caused by spills of solids, liquids or the emission of gas, by following sound principals of Risk Management. In the event of a spill occurring, immediately follow the principles of contain, control and cleanup, to minimise damage to the environment.
- Manage the transportation, storage and handling of Hazardous Substances and Dangerous Goods in line with the relevant state Regulations.
- Minimise damage to flora and fauna as a result of rig operations and use of heavy equipment, by forward planning and efficient utilisation of such equipment, particularly in relation to prevailing weather conditions.
- Avoid disturbing natural or historical sites, as an ongoing commitment to protection of Aboriginal & European Cultural Heritage.
- Assist through careful rig down & moving operations, with the rehabilitation of the rig site and adjoining areas on completion of the drilling program, to preserve the natural habitat for other land users.

Hunt Energy & Mineral Co.- Aust. Pty Ltd is committed to its endeavor of being a responsible environmental corporate citizen.

L. Werecky
Managing Director

**HUNT ENERGY & MINERAL CO AUSTRALIA PTY LTD
ONSHORE DRILLING OPERATIONS & SAFETY MANUAL****SECTION 13****13.2 ENVIRONMENTAL PRINCIPLES & PROCEDURES.**

Hunt Energy understands the requirement to adopt sound environmental practices in all of its operations to protect both its own and customer interests. Hunt Energy states its overall commitment to the protection of the environment in their Environment & Waste Management Policies, which are displayed on noticeboards at Rig locations & the Adelaide office. The following principles and procedures outline the more specific actions.

Guidelines:

Hunt Energy realises that the performance of its employees and their correct utilisation & maintenance of rig equipment sets the standard for environmental protection. Hunt will actively encourage staff to participate in ongoing development & implementation of its environmental program.

Hunt Energy will undertake to participate in any client sponsored environmental programs relevant to Company operations, subject to personnel availability. They will also ensure that contract personnel working on Hunt Energy locations abide by environmental protection standards. In particular they will continue to:

- Comply with relevant State & Federal legislation and applicable Codes of Practice
- Identify environmental risks and apply sound management strategies.
- Understand the necessity to protect culturally significant sites & artefacts, and advise client management if such sites or items are discovered.
- Ensure that staff is informed of Hunt Energy strategies and policy in regard to environmental management and cultural heritage preservation.
- Review existing work procedures and make changes as applicable.
- Minimise the use of fossil fuels through efficient equipment operation & maintenance programs.

Campsites:

Campsites should be located adjacent to existing tracks or roads to limit requirements for additional clearing.

Naturally clear areas should be used for campsites. Where clearance is unavoidable, the area cleared should be kept to a minimum. Large established trees should not be removed where at all possible.

Topsoil and cleared vegetation should be stockpiled for reuse during site restoration.

Any spills of contaminating product around the camp must be contained, controlled and cleaned up. Special precautions must be taken in the area of camp generators and any such spill incident recorded using the Accident/Incident report form.

THIS MANUAL REMAINS THE PROPERTY OF HUNT ENERGY – AUST

Section 13.2- Page 1 of 3 ENVIRONMENTAL PROTECTION

Updated 25/05/06
Reviewed 02/01/08

**HUNT ENERGY & MINERAL CO AUSTRALIA PTY LTD
ONSHORE DRILLING OPERATIONS & SAFETY MANUAL****SECTION 13****Rig site:**

Although some of the following issues are the direct responsibility of the Operator, Hunt Energy will work closely with them to ensure that the lease is maintained in accordance with the applicable Regulations, & left in an appropriately clean state.

Flare pits must be sited on the lease as far as possible from native vegetation, and clear of access roads. A suitably high bank must be constructed at the rear of the pit to contain returned product and flare-off. Permits should be received from local councils where appropriate before flaring is undertaken.

Where compaction or minor oil spillage has occurred, the ground should be ripped to a depth of 500mm at completion of the well program, as part of ground restoration.

Mud products must be stored in a designated area and maintained in an orderly state on pallets. These products must be kept suitably covered with plastic to prevent degeneration & scattering from the effects of sun, wind & rain, and an MSDS register maintained on site.

Low toxicity chemicals should be used whenever possible to minimise damage to the environment & limit exposure hazards.

- Access to and from the Rig lease and Camp area should be restricted to designated roads in order to minimise damage to flora & fauna. Speed limits must be restricted in these areas for the same reason.

Reporting:

Reporting of all environmental incidents to a Hunt Energy Rig Manager is mandatory.

Employees will be supplied with and trained in the use of the Hunt Energy Accident/ Incident Report forms. They will also be encouraged to use the 'Hazid' forms to identify 'potential' for environmental incidents.

Hunt Energy Management will record the details as per Hunt reporting /recording procedures and relay the information as soon as possible to the client.

Incidents of a serious nature, which are beyond the resources of Hunt will be reported to the client immediately, along with a request for assistance.

A request of this nature will generally come from the Hunt Energy Rig Manager.

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Section 13.2- Page 2 of 3 ENVIRONMENTAL PROTECTION

Updated 25/05/06
Reviewed 02/01/08

**HUNT ENERGY & MINERAL CO AUSTRALIA PTY LTD
ONSHORE DRILLING OPERATIONS & SAFETY MANUAL****SECTION 13****Auditing:**

Hunt Energy will conduct audits of the wellsite and camp at each location, or monthly, whichever is the shorter period, using **Form 6** in the Onshore Drilling Operations & Safety Manual.

Copy of the audit results will be reviewed by the Rig Manager and forwarded to the Adelaide office for inclusion as an agenda item in management Safety Committee Meetings.

Non-compliance with Hunt Environment or Waste Management Policy will require immediate remedial action. The Safety Manager will also conduct compliance audits from time to time during rig visits to ensure that Hunt Energy expectations on environmental protection are maintained.

THIS MANUAL REMAINS THE PROPERTY OF HUNT ENERGY – AUST

Section 13.2- Page 3 of 3 ENVIRONMENTAL PROTECTION

Updated 25/05/06
Reviewed 02/01/08

SECTION 13.3

HUNT ENERGY & MINERAL CO AUSTRALIA PTY LTD
ENVIRONMENTAL AUDIT

RIG SITE

Location: _____

Operator: _____

Rig No: _____

YES

NO

- | | | | |
|----|--|--------------------------|--------------------------|
| 1) | HAVE ADEQUATE DRAINS BEEN PROVIDED AROUND RIG BASE
..... | <input type="checkbox"/> | <input type="checkbox"/> |
| 2) | ARE DRAINS CLEAR OF DEBRIS
..... | <input type="checkbox"/> | <input type="checkbox"/> |
| 3) | IS DRAINAGE EFFECTIVE TO HOLDING PITS
..... | <input type="checkbox"/> | <input type="checkbox"/> |
| 4) | RIG PUMP AREA FREE OF SPILLS
..... | <input type="checkbox"/> | <input type="checkbox"/> |
| 5) | RIG MOTOR AREA CLEAN & FREE OF OIL SPILLS, WASTE CONTAINERS & RUBBISH
..... | <input type="checkbox"/> | <input type="checkbox"/> |

OIL STORAGE AREA

- | | | | |
|-----|---|--------------------------|--------------------------|
| 6) | CLEAN FLOOR, DRY & VOID OF SLIP HAZARDS
..... | <input type="checkbox"/> | <input type="checkbox"/> |
| 7) | OIL DRIP TRAYS IN PLACE? NOT OVERFLOWING
..... | <input type="checkbox"/> | <input type="checkbox"/> |
| 8) | IS AN EFFECTIVE CLEANUP METHOD USED
..... | <input type="checkbox"/> | <input type="checkbox"/> |
| 9) | ARE CONTAINERS LABELLED & SEALED
..... | <input type="checkbox"/> | <input type="checkbox"/> |
| 10) | OILY RAGS & RUBBISH PLACED IN COVERED BINS | <input type="checkbox"/> | <input type="checkbox"/> |

SECTION 13.3

HUNT ENERGY & MINERAL CO AUSTRALIA PTY LTD
ENVIRONMENTAL AUDIT

.....

MECHANIC SHACK

		YES	NO
11)	CLEAN & TIDY (NO OIL OR GREASE ON FLOORS OR BENCHES)	<input type="checkbox"/>	<input type="checkbox"/>
		
12)	EMPTY GREASE CONTAINERS & OILY RAGS - PLACED IN COVERED BIN	<input type="checkbox"/>	<input type="checkbox"/>
		
13)	PARTS & EQUIPMENT STORAGE CLEAN & TIDY	<input type="checkbox"/>	<input type="checkbox"/>
		
14)	a) PRODUCT CONTAINERS SUITABLY LABELLED & STORED	<input type="checkbox"/>	<input type="checkbox"/>
		
	b) PROVISION FOR CONTAINMENT / CLEAN UP OF SPILLS	<input type="checkbox"/>	<input type="checkbox"/>
		

LEASE AREA

15)	a) IS THERE SUITABLE STORAGE FOR DIESEL ON SITE	<input type="checkbox"/>	<input type="checkbox"/>
		
	b) SOIL AROUND TANKS CLEAR OF SPILLS	<input type="checkbox"/>	<input type="checkbox"/>
		
16)	APPROPRIATE DRAINAGE / BUND TO CONTROL SPILLS	<input type="checkbox"/>	<input type="checkbox"/>
		
17)	CHEMICAL STORAGE AREAS WELL DEFINED & SEGREGATED	<input type="checkbox"/>	<input type="checkbox"/>
		
18)	ALL PRODUCTS SUITABLY PROTECTED FROM WEATHER	<input type="checkbox"/>	<input type="checkbox"/>

Section 13.3- Page 2 of 4 ENVIRONMENTAL PROTECTION

Updated 25/05/06
Reviewed 02/01/08

FORM 6

SECTION 13.3

HUNT ENERGY & MINERAL CO AUSTRALIA PTY LTD

ENVIRONMENTAL AUDIT

.....

19) MSDS INFORMATION AVAILABLE & LABELS IN GOOD CONDITION

☐ ☐

.....

20) MIXING HOPPER AREA CLEAN & TIDY

☐ ☐

SUMPS & PITS

.....

21) PIT LINERS USED IN SUMP FOR HOLE CUTTINGS

☐ ☐

.....

22) PLASTIC LINER USED BETWEEN SHALE SHAKER TANK & SUMP

☐ ☐

.....

23) TURKEY NEST LINED

☐ ☐

.....

24) FLARE PIT CONSTRUCTED WITH EARTH BANK OF SUITABLE HEIGHT

☐ ☐

.....

25) RIG SITE SHACKS HAVE COVERED SUMPS FOR EFFLUENT

☐ ☐

.....

26) RIG SITE SHACKS HAVE SUITABLE SUMP FOR GREY WATER

☐ ☐

.....

27) PROVISIONS MADE TO BACKFILL SUMPS TO APPROPRIATE DEPTH

☐ ☐

RIG CAMP

.....

28) DOES THE CAMP HAVE A SUITABLE WASTE SKIP / WASTE PIT

☐ ☐

.....

29) DOES CAMP HAVE A SUITABLE VERMIN CONTROL PROCEDURE?

☐ ☐

.....

30) IS GENERAL WASTE FROM LIVING QUARTERS COLLECTED & REMOVED

☐ ☐

Section 13.3- Page 3 of 4 ENVIRONMENTAL PROTECTION

Updated 25/05/06
Reviewed 02/01/08

FORM 6

SECTION 13.3

HUNT ENERGY & MINERAL CO AUSTRALIA PTY LTD
ENVIRONMENTAL AUDIT

.....

31) KITCHEN SCRAPS, OIL & FAT SUITABLE DISPOSED OF IN LINE WITH ENVIRONMENTAL PRACTICES

.....

☐ ☐

32) a) DOES THE CAMP HAVE COVERED SUMP SYSTEM FOR EFFLUENT

.....

☐ ☐

b) IS IT SUITABLY PLACED TO AVOID FLOODING IN WET WEATHER

.....

☐ ☐

33) DOES THE CAMP HAVE A SUITABLE SUMP FOR GREY WATER FROM THE ABLUTION BLOCK, LAUNDRY & KITCHEN

.....

☐ ☐

34) IS THE AREA AROUND THE CAMP CLEAN & TIDY (FREE OF WASTE PAPER, CANS, BOTTLES & PLASTIC)

.....

☐ ☐

35) ARE ENTRY & EXIT ROADS TO THE CAMP DEFINED TO LIMIT DAMAGE TO FLORA & FAUNA

.....

☐ ☐

36) ARE NO SMOKING AREAS DEFINED

.....

☐ ☐

37) IS THERE SUITABLE DRAINAGE AROUND CAMP FOR WET WEATHER CONDITIONS

.....

☐ ☐

38) ARE THERE CONTROL PROCEDURES TO MINIMISE DUST

.....

☐ ☐

OTHER COMMENTS

.....

.....

.....

.....

AUDITOR..... SIGNED DATE:

Section 13.3- Page 4 of 4 ENVIRONMENTAL PROTECTION

Updated 25/05/06
Reviewed 02/01/08

FORM 6