



Local Emergency Management Committee

Minutes | 17th July 2024



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SHIRE OF QUAIRADING

Local Emergency Management Committee

ITEM 1 OPENING & ANNOUNCEMENTS

The Chairperson welcomed everyone to the meeting and declared the meeting open at 4.01 pm.

“Before we start our meeting, I would like to acknowledge that we are meeting on Noongar/Ballardong land and we pay respect to the original custodians...past, present and future and welcome you all here today for this meeting”.

ITEM 2 ATTENDANCE AND APOLOGIES

2.1 Attendance

Cr Jo Haythornthwaite	Shire President/Chairperson
Natalie Ness	Chief Executive Officer
Sarah Caporn	Executive Manager, Works & Services, Shire of Quairading
Marion Haeusler	Executive Officer, Shire of Quairading
Ben Davies	Community Emergency Services Manager
Nigel Gelmi	Chief Bush Fire Control Officer
Michael Phillips	Regional Coordinator - Department of Communities
Dean Mastin	Quairading Central BFB and Quairading VFERS
Saskia Korzonek	Volunteer Fire & Rescue Services
Justin Corrigan	Department of Fire & Emergency Services
Trevor Sandercock	St John Ambulance – Quairading

2.2 Observers

Nil

2.3 Apologies

Cr Trevor Stacey	Deputy Shire President
Shelby Robinson	DFES – District Emergency Management Advisor
Diana Ellison	HSM Quairading Hospital
Michael Oliver	Quairading District High School Principal
Yvonne Emmanuel	St John Ambulance – Quairading
Ian Dawson	St John Ambulance
Sgt David Lewis	OIC Quairading Police
Jo Spadaccini	District Emergency Services Officer – Wheatbelt - Department of Communities
?	Quairading CO-OP Manager

Item 3 - Deputations/Presentations/ Submissions dealt with after Item 8 - Urgent Business

ITEM 4 CONFIRMATION OF MINUTES AND BUSINESS ARISING

4.1 Confirmation of Minutes – 17th April 2024

Recommendation

MOVED B DAVIES **SECONDED** T SANDERCOCK

That the minutes of the Local Emergency Management Committee meeting held on 17 April 2024 be confirmed as a true and correct record of that meeting.

CARRIED

4.2 Business Arising

Nil

ITEM 5 CORRESPONDENCE

5.1 Inward

DEMA Shelby Robinson – LG Emergency Management Compliance – New Financial Year (email) as attached

5.2 Outward

Nil

ITEM 6 STANDING ITEMS

6.1 Setting of 2024 LEMC Meeting Dates

Meeting dates were set in December 2023 to be:

- Wednesday 17th April 2024 (Post-Season)
- Wednesday 17th July 2024 (Yearly Exercise)
- Wednesday 18th September 2024 (Pre-Season)

6.2 Community Emergency Services Manager

CESM Ben Davies – as attached

ITEM 7 AGENCY UPDATES

7.1 WA Police

Sgt Dave Lewis – not present

7.2 St John Ambulance

Trevor Sandercock

- training is going well, good attendances, last training was attended by all volunteers;
- relief CP present at the moment, to be changed again next week.

7.3 Fire and Emergency Services

Shelby Robinson – not present

7.4 Quairading Volunteer Fire & Rescue

Saskia Korzonek – no update

7.5 Quairading CO-OP

No representative present

7.6 Department of Communities

Michael Phillips – audits of evacuation centers are underway, prepositioning of equipment planned that will cut down set-up time.

7.7 Department of Education

Michael Oliver - Not present

7.8 Department of Health

Diana Ellison (absent until end of September) - not present

7.9 Local Government (inc. Bush Fire Brigades)

Cr Jo Haythornthwaite/Nigel Gelmi

Shire of Quairading Executive staff have undertaken RedCross Evacuation Centre training.

CESM requested that DEMA report and DFES report be considered as separate sub headlines.

ITEM 8 URGENT BUSINESS

Nil

ITEM 3 DEPUTATIONS / PRESENTATIONS / SUBMISSIONS

3.1 Australian Warning System

Justin Corrigan - presentation as attached.

3.2 LEMC training exercise

CESM Ben Davies – presentation slides attached.

Training focused on:

- identifying contacts, responsible persons and appropriate response in the case of an emergency
- reassessment of response with new information
- escalation to more qualified Incident Controller
- involving other agencies: which ones and who makes the decision and takes action?
- informing stakeholders: who decides and who actions?
- practicalities and responsibilities during evacuation scenario: who is first contact for evac center, who has access at all hours, directing traffic to the evac center, how many staff required?
- disseminating information: who is the trusted source (IC/Emergency WA)
- all clear/stand down: who makes the decision?
- who is responsible in the aftermath.

ITEM 10 NEXT MEETING DATES

Next Meeting – 18th September 2024, 4.00pm, Quairading Council Chambers

ITEM 11 CLOSURE

There being no further business, the Chairperson closed the meeting at 5.41 pm.

From: [ROBINSON Shelby](#)
To: [ROBINSON Shelby](#)
Cc: [ROBINSON Shelby](#)
Subject: Local Government Emergency Management Compliance - New Financial Year
Date: Tuesday, 9 July 2024 11:44:58 AM
Attachments: [image001.png](#)

You don't often get email from shelby.robinson@dfes.wa.gov.au. [Learn why this is important](#)

Good Morning,

As we now step into a new financial year, I wanted to take this opportunity to prompt some important emergency management compliance actions to be done by you or your delegated Shire emergency management staff member.

LEMCs should be meeting quarterly, or more frequently as required. LEMC meeting frequency should be reflective of your risk environment, demographics, resilience and vulnerabilities.

You may like to use the following example of LEMC activities to guide your schedule and ensure your LG meets its compliance requirements at the end of each FY. Please ensure setting LEMC dates for this FY is an agenda item at your next LEMC, you may like to sense check these with me first to avoid clashes. Avoiding clashes means that your LEMC can be better attended by agencies.

Once those dates are provided to me, I can create (and share when relevant) a regional LEMC calendar.

3.0 Quarterly Reporting

Quarter	Reporting activities
1 st quarter (July-Aug-Sept)	<ul style="list-style-type: none">- LEMC Business Plan tabled- Annual Meeting Schedule- Exercise Date for financial year
2 nd quarter (Oct-Nov-Dec)	<ul style="list-style-type: none">- Seasonal Review- State Preparedness Report Review
3 rd quarter (Jan-Feb-Mar)	<ul style="list-style-type: none">- LEMC Business Plan developed
4 th quarter (April-May-June)	<ul style="list-style-type: none">- Complete Annual Preparedness Survey and Annual Report- Exercise Schedule developed

For your reference, the Wheatbelt and Goldfields-Esperance DEMCs have set their dates for the next FY. To ensure agency representation at your LEMCs, as well as the fact that many of you are involved in these district committees in some capacity, I encourage you not to book your LEMC dates on these dates as it will limit the available agency representation at your LEMCs:

Wheatbelt:

- 4 Sept - confirm training and exercise calendar. Are we progressing the annual plan developed last meeting?
- 11 Dec - pre-Christmas break, where are our capability gaps over the festive season?
- 12 March – post summer debrief.
- 4 June - review of HTP and FY activities, plan for next FY and review outstanding actions, review membership. Compile annual report.

Goldfields-Esperance:

- 11 Sept - confirm training and exercise calendar. Are we progressing the annual plan developed last meeting?
- 18 Dec - pre-Christmas break, where are our capability gaps over the festive season?
- 20 March – post summer debrief.
- 5 June - review of HTP and FY activities, plan for next FY and review outstanding actions, review

membership. Compile annual report.

As always, the Local Emergency Management Committee Handbook is a great resource to assist LGs and LEMCs to meet their legislative requirements. However, please don't hesitate to reach out to me if you have any questions or queries regarding emergency management, your compliance requirements or your LEMCs.

I will be reaching out again shortly once the SEMC has finalised the template required for LEMC annual reporting. I understand this aspect is occurring later than in previous years and this is something the DEMAs across the State are collectively advocating for to be more streamlined.

Kind Regards,

Shelby Robinson

District Emergency Management Advisor

Wheatbelt & Goldfields-Esperance Regions – Based in Northam

79 Newcastle Rd, Northam WA 6401

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www.dfes.wa.gov.au

Acknowledgement of Country: DFES acknowledges the Traditional Owners of Country throughout Australia, and their connections to land, sea and community. We pay our respects to Elders past and present.

LEMC Report – Community Emergency Services Manager (Ben Davies)

Shire of Quairading

Prevention

- Looking at presenting a community awareness and education program regarding emergency prevention, preparedness and response. Red Cross have also been present and delivering training to community members.

Preparedness

- Quairading BFB are building capacity before this season with new members, currently on a pathway to have new members trained up, with existing members being trained to a higher level to be able support response activities.
- Brigade training and AGMs to be held in September, Each Brigade will have the opportunity to complete training, with the overall stance is no training, no turning out.
- Shire works staff will be trained to hold the minimum standard of training.
- Looking at holding a Community Workshop – Bushfire Plan

Response

- Looking at establishing a Yoting Brigade list (SMS) and work towards establishing a Yoting Brigade to fund a truck and shed, temporarily using the Quairading Central 2.4 during high threat season.
- Currently developing and implement standardised basic response plans for local brigades, including communication and response requirements.
- Roll out higher-level training for brigade leadership, inline with implementing response plans, underway.
- Establish partnerships with neighbouring communities or agencies for mutual aid and resource sharing during emergencies. Ie Bruce Rock, Cunderdin, York/Beverly, Corrigin
- Implement BEAT Layers for CAD to streamline the LGA 000 agreement and BFB response
- Implement “Response Rules” in CAD to outline Shire response requirements (ie Structure fire – who to send)

Administrative

- Review of all evacuation centres prior to high threat period.
- Ensure Local Emergency Management Authority (LEMA) contacts are kept up to date, review every 6 months. Review coming up September. Please update contact list.
- All untrained volunteers will be removed from the Brigade SMS system, End of September.

Special Projects

- South of Quairading Water Tank project completed.
- Looking into grant funding for a digital message board to display fire danger ratings and other key public Safety information in the event of an incident.

- Implement a communication strategy for disseminating public safety information during emergencies, including utilizing digital message boards. Currently using Whatsapp which is working well, looking at redundancies for power outages and network outages. Whatsapp with message boards will work well.

Australian Warning System Overview and Update



DFES
Department of Fire &
Emergency Services

FOR A SAFER STATE



The Australian Warning System (AWS)



What is it?

The **Australian Warning System** is a **national approach** to warnings for natural hazards including bushfire, flood, storm, cyclone and heatwave.

Why are we doing it?

To deliver a more **consistent approach** to warnings, **no matter where you are or what hazards you face.**

When is it being implemented?

The new framework will be introduced for cyclone, storm and flood **on 15 July 2024.** Action statements will also be added to the three hazards, as well as bushfire at this time.

AWS Warning Levels

The three warning levels with consistent names, colours and triangle icons.

Advice: An incident is active but there is no immediate danger. Stay up to date in case the situation changes.

Watch and Act: There is a heightened level of threat. Conditions are changing and you need to take action now to protect you and your family.

Emergency Warning: An Emergency Warning is the highest level of warning. You may be in danger and need to take action immediately. Your life will be at risk if you do not act.

Fire



Storm



Flood



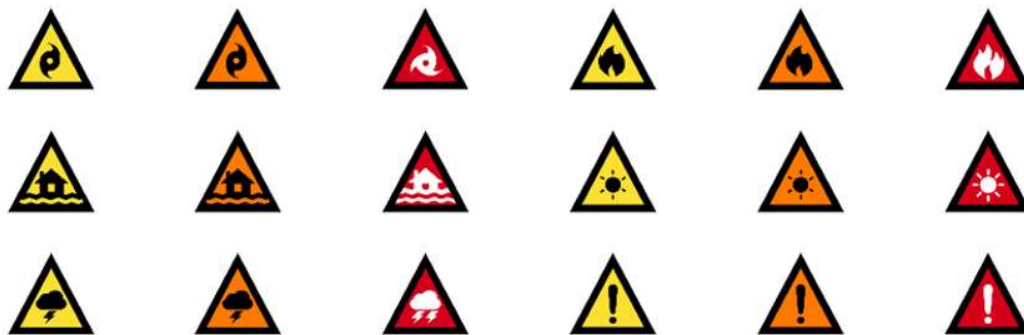
Cyclone



Australian Warning System

How will AWS
change the way
warnings are
issued?

- Consistent warning levels, colours, icons, terminology for bushfire, cyclone, storm and flood.
- Potential for multiple Advice/Watch and Act/Emergency Warnings areas for one incident.
- No More All Clear or Take Care levels.
- The need for an action statement for every warning level/area.
- More localised and personalised warnings.



AWS Training

Two online modules have been developed:

AWS Awareness

An overview of the Australian Warning System and how it applies in Western Australia. Delivered as a self-paced, e-learning awareness module.

Applying the AWS

A scenario-based assessment module for decision makers and those who support the issuing of public information.

The courses are also available to invited stakeholders via the Mobilise Me platform – dfes.mobilise-me.com

New users need to create an account and choose “Australian Warning System” as the Learning Category.



Australian Warning System



What does it mean for me?

- Policies, procedures, trigger documents, training materials etc need updating
- Signage in the community, worksites etc featuring Blue/Yellow/Red/All Clear needs updating/removing

Action Statements

- Each warning level has a set of action statements to give the community clearer advice about what to do.
- Action statements allow us to issue tailored and personalised messages to the community.
- Action statements can be used flexibly across all three warning levels and are contextualised for each hazard within each state or territory.
- Action statements are reviewed annually based on feedback from jurisdictions.

Advice

- Prepare now
- Stay informed
- Monitor conditions
- Stay informed/threat is reduced
- Avoid the area
- Return with caution
- Avoid smoke

Watch and Act

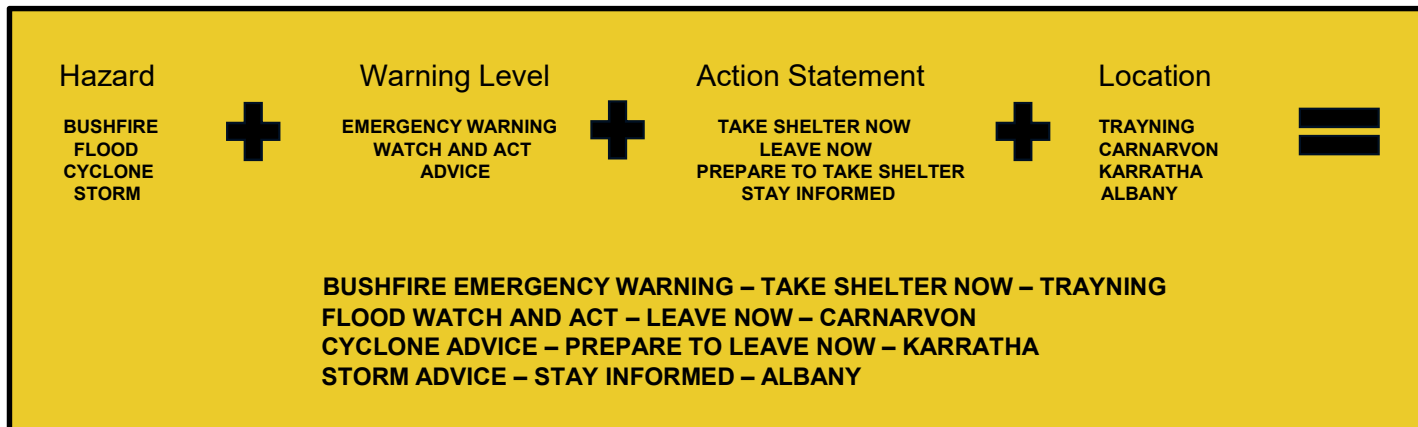
- Prepare to leave
- Leave now (if you are not prepared)
- Prepare to take shelter
- Move/stay indoors
- Stay near shelter
- Walk two or more streets back
- Monitor conditions as they are changing
- Be aware of ember attack
- Move to higher ground (away from creeks/rivers/coast)
- Limit time outside (cyclone, heat, asthma)
- Avoid the area/avoid the flooded area
- Stay away from damaged buildings and other hazards
- Prepare for isolation
- Protect yourself against the impacts of extreme heat
- Do not enter flood water
- Not safe to return
- Prepare your property (cyclone/storm)

Emergency Warning






- Leave (immediately, by am/pm/hazard timing)
- Seek/take shelter now
- Shelter indoors now
- Too late/dangerous to leave

AWS Nested Headline






- Under the Australian Warning System, action statements are included in the warning headline along with the warning level, hazard and location.








AWS Cyclone Warning Levels

Action Statements	Warning Level	Icon
<ul style="list-style-type: none"> • Prepare now • Stay informed • Monitor conditions 	Advice	
<ul style="list-style-type: none"> • Prepare to take shelter • Prepare for isolation • Prepare your property • Prepare to leave • Leave now 	Watch and Act	
<ul style="list-style-type: none"> • Shelter indoors now 	Emergency Warning	
<ul style="list-style-type: none"> • Stay indoors • Stay away from damaged buildings and other hazards • Monitor conditions • Not safe to return 	Watch and Act (de-escalating)	
<ul style="list-style-type: none"> • Stay informed • Return with caution • Threat is reduced 	Advice (de-escalating)	

AWS Flood Warning Levels

Action Statements	Warning Level	Icon
<ul style="list-style-type: none"> • Prepare now • Stay informed • Monitor conditions • Avoid the area 	Advice	
<ul style="list-style-type: none"> • Leave now (if not prepared) • Prepare to take shelter • Prepare for isolation • Prepare to leave • Move/stay indoors • Move to higher ground 	Watch and Act	
<ul style="list-style-type: none"> • Too late to leave • Leave now • Shelter indoors now 	Emergency Warning	
<ul style="list-style-type: none"> • Avoid the flooded area • Do not enter flood water • Not safe to return 	Watch and Act (de-escalating)	
<ul style="list-style-type: none"> • Stay informed/threat is reduced • Return with caution 	Advice (de-escalating)	

AWS Bushfire Warning Levels

Action Statements	Warning Level	Icon
<ul style="list-style-type: none"> • Prepare now • Stay informed • Monitor conditions • Avoid smoke 	Advice	
<ul style="list-style-type: none"> • Leave now (if not prepared) • Prepare to leave • Be aware of ember attack • Monitor conditions 	Watch and Act	
<ul style="list-style-type: none"> • Leave now (or by time) • Too late to leave • Take shelter now 	Emergency Warning	
<ul style="list-style-type: none"> • Not safe to return • Avoid the area • Monitor conditions 	Watch and Act (de-escalation)	
<ul style="list-style-type: none"> • Stay informed • Avoid the area • Return with caution • Avoid smoke • Threat is reduced 	Advice (de-escalation)	

Questions



GOVERNMENT OF
WESTERN AUSTRALIA



Department of Fire &
Emergency Services

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Enquiries

For more information contact:

 Tayissa Sweetlove tayissa.sweetlove@dfes.wa.gov.au
(AWS Principal Project Consultant)

 For general queries
statepublicinfo@dfes.wa.gov.au



DFES
Department of Fire &
Emergency Services



EmergencyWA
Next Gen Warnings

LEMC EXERCISE

Truck Fire / Hazmat Incident



Shire of Quairading
17th July 2024

B Davies

EXERCISE AIM AND OBJECTIVES

Aim

To raise the awareness of the LEMC members, Shire staff, and elected Council members regarding the emergency management responsibilities and processes, to enhance the general preparedness and resilience of the Quairading community.

Exercise Objectives

1. Raise awareness on Ammonium Nitrate and other dangerous goods traveling through town sites.

2. To test and raise awareness of roles and responsibilities, existing procedures and strategies regarding;
 - Controlling Agencies/Hazard Management
 - Multi-agency coordination
 - Evacuations
 - Communication / Local Emergency Management Arrangements / Local Emergency Welfare Plan

3. To discuss existing processes, capabilities and identify any;
 - New strategies
 - Existing gaps

that could be actioned to improve the emergency management arrangements within the Shires of Quairading.

INTRODUCTION AND BACKGROUND



Being that the York-Merredin Road runs through the Shire of Quairading. There is a risk, that potentially dangerous freight is carried through Quairading.

The dangerous goods risk we are going to focus on is Ammonium Nitrate, However, this isn't the only dangerous good being transported on our roads, it is however a good example, as there has been **4** incidents recently in WA alone, as more and more is carted to mine sites and businesses around the state.

WHAT IS AMMONIUM NITRATE ? AND WHY IS IT BECOMING A RISK?

What:

- Ammonium nitrate (AN) is a widely used chemical compound with several important applications.
- It is used in fertilisers across the agricultural sector.
- It is also the main component in many types of mining explosives, where it is mixed with fuel oil and detonated by an explosive charge, called Ammonium Nitrate Fuel Oil (ANFO).

Why:

- Increased global agriculture activities.
- Increased requirement for ANFO in Mining.
- The market for Ammonium Nitrate is expected to grow at least 4% over the next 5 years. (Nov 2022)

Credit - CAS.org



RECENT INCIDENTS IN WA

- Debris Fly's Over 700m Following Truck Explosion
Laverton - **October 2022**
- 100 People Evacuated Following Truck Fire
New Norcia - **June 2023**
- 3 Dead In Truck Explosion Following Road Crash
Pilbara - **October 2023**
- Great Eastern Highway Closed Following Truck Rollover
Coolgardie – **May 2024**



LAVERTON - OCTOBER 2022

In October 2022, a road truck transferring ammonium nitrate exploded in the eastern Goldfields, shooting debris more than 700 metres from the site. The truck driver escaped the area and an exclusion zone was set up before the blast.

“The blast was equivalent to three tonnes of TNT,” the report found.



Credit – ABC News



“Emergency response teams felt the blast wave at their position three kilometres away, while workers at a mine site around 25 kilometres away felt vibrations and saw windows rattling.”

NEW NORCIA – JUNE 2023

New Norcia, about 132km north of Perth, is home to about 100 people, including nine monks at the New Norcia Benedictine monastery.

They had to flee when the alarm was raised about 8.50pm Saturday near the corner of Great Northern Hwy and Calingiri-New Norcia Rd when a truck carrying ammonium nitrate caught fire.

The sand-like substance is used in explosives, fertilisers, and antibiotics — and when heated it can release toxic nitrogen oxides and ammonia gases.

Western Australia's Department of Fire and Emergency Services issued a hazmat general warning about an hour after the fire was reported, warning of a "direct threat to the community of New Norcia."

"All residents need to evacuate from New Norcia leaving along Great Northern Highway in a northerly or southerly direction towards the roadblocks," read the warning.

Credit – WA Today



PILBARA – OCTOBER 2023

WA Police Commissioner Col Blanch said at least three people had died in the tragedy, which incinerated both vehicles.

In a statement, the Department of Fire and Emergency Services said crews were responding to the incident, but had been unable to get close to the scene.

“The truck is believed to have been carrying a significant quantity of ammonium nitrate and the radiant heat from the fire prevented firefighters from approaching the scene overnight,” it read.

“A two kilometre exclusion zone was established yesterday and remains in place for the safety of the public and emergency services personnel.”

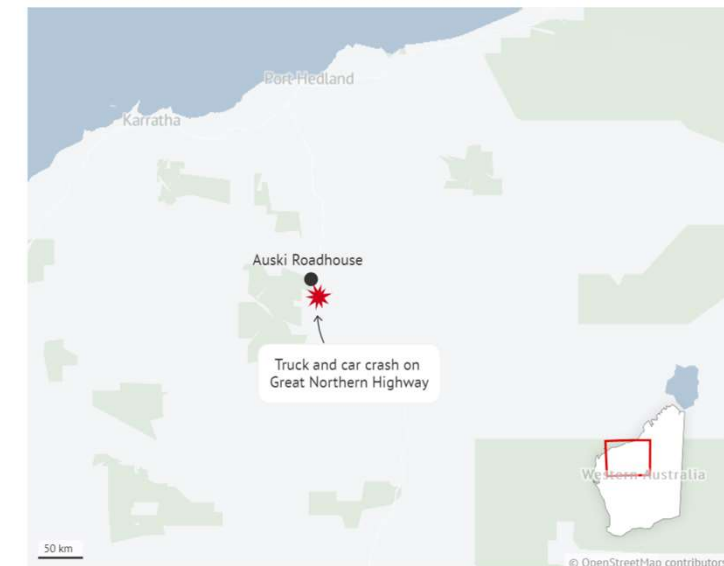
A police spokesperson said authorities have not yet been able to ascertain how many people were involved in the incident, but there is believed to be multiple casualties.

“Based on initial information provided to police at the time of the crash, it is believed there may have been one person in the truck and two people in the car at the time of the crash.”

The tragedy is the third ammonium nitrate transport incident in WA within the past year.

Credit – WA Today

Several people killed in explosive Pilbara crash



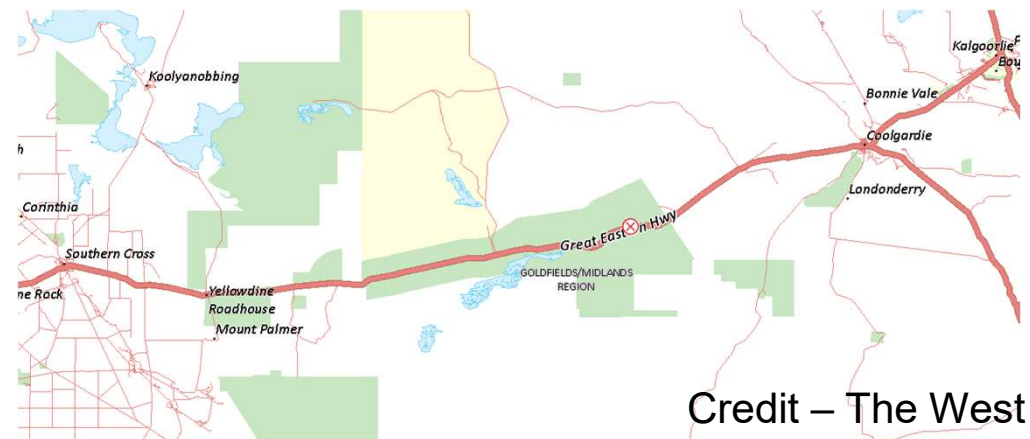
COOLGARDIE – MAY 2024

A hazardous materials warning has been issued and a section of Great Eastern Highway has been closed following the rollover of a truck carrying ammonium nitrate.

Emergency services are on the scene after the tanker rolled over on Great Eastern Highway, about 40km west of Coolgardie, on Saturday morning.

Main Roads WA has closed a 185km stretch of the highway between Coolgardie and Southern Cross.

The incident sparked a rapid response from The Department of Fire and Emergency Services, the ChemCentre and the Department of Water and Environmental Regulation's Pollution Response Unit



What if there was an incident in the Shire of Quairading?



EXERCISE DEFINITIONS

Term	Definition
DFES	Department of Fire and Emergency Services
Comcen	Communication Centre
HMA / Hazard Management Agency	A HMA is a public authority or other person, prescribed by regulations because of that agency's functions under law or because of its specialised knowledge, expertise and resources. The HMA is responsible for prevention of, preparedness for, response to and recovery from emergencies caused by that particular hazard.
CA / Controlling Agency	The Controlling Agency is the agency with responsibility, through legislation or by agreement with a HMA and one or more agencies, to control the response activities to an incident. In most instances, the Controlling Agency and HMA are the same agency/organisation
LG / LGA	Local Government
HAZMAT	Hazardous Materials
DoC	Department of Communities
IC / Incident Controller	Person recognised and generally most senior or most qualified from the HMA/CA

EXERCISE SCENARIO

Key Details:

It's **2100hrs (9pm)** on **Saturday night**,
On the 3rd of August.



It's a **busy night in Dangin** with a function being held at a Locals House.

There's approximately **10 people** attending the function.

EXERCISE SCENARIO

The function is interrupted by a loud obnoxious screeching. As a few people witness a truck driving in to Dangin with its brakes locked up and smoke coming from the back of the truck.

At 2105hrs – the DFES Comcen receives it's first 000 call: a **truck** driving into the **Dangin town site** heading towards Quairading with it's **brakes smoking**. The truck is stopping just before **Dangin North Road**, east bound lane.

At 2107hrs – The DFES Comcen calls the 000 agreement to ask who to mobilise.



EXERCISE SCENARIO



Based on the information given:

- Who is the HMA for this incident type and who is the Controlling Agency for this incident?
- Who is currently responsible for this Incident?
- Who would they send to this incident?
- What other agencies may need to be notified/involved?

EXERCISE SCENARIO - BACKGROUND

Every time a 000 call is received for Quairading, and it fall outside the gazetted town site and is a fire, property fire or vehicle fire in falls within the Bushfires Act 1954, meaning the LG is responsible. The DFES Comcen calls the LGA contact based on the LGA 000 agreement, these contacts are contacted in order, as soon as one of the contacts answers they are required to nominate who to mobilise.

000 SERVICE AGREEMENT for *QUAIRADING (S)*

In order to advise Local Government of 000 calls promptly it is suggested that contacts are 24/7 numbers.

The 4th contact will always be DFES Regional Duty Coordinator

No more than 3 contacts per LGA will be recorded.

Our 24 hour, 365 day emergency 000 contacts from the Communications Centre are as follows:

Organisation	Role	Name	Contact Type	Number
Shire Cunderdin / Quairading	CESM	BEN DAVIES	Mobile (All Hrs)	0448 008 653
Shire of Quairading	CBFCO	NIGEL GELMI	Mobile (All Hrs)	0409 118 238
QUAIRADING BFB	QUAIRADING BFB SMS		Group Call (All Hrs)	RAPID ALERT
DFES Goldfields Midlands Region	Regional Duty Co-Ordinat	DFES Regional Duty Co-Ordinator		1800 966 077

Note: Contacts may make reference to an SMS group which allows multiple pagers or mobile phones to be attached to that group.. An SMS list form needs to have been completed.

Alterations to contacts:

Organisation	Role	Name	Contact Type	Number



EXERCISE SCENARIO

At 2110hrs - another 000 call has been received, this caller states the **truck has tried to stop** on the side of the road, but the back end is **blocking a lane**, and there is **smoke and flames** from the **back wheels**. The callers stated they could also see a “**yellow diamond thing**” on the back of it. It also looked like the **driver was running away from the truck**.

With the new details, do we think the current response is adequate?

Based on the new details, what additional resources or agencies would be required or involved?



EXERCISE SCENARIO

At 2120hrs – the first fire appliance arrives on scene, they report the truck is on the side of the road, with the back of it blocking a lane, the back tyres are **well alight** and they could see **dangerous goods plagued** on it. They are unable to locate the driver.

The first arriving appliance has checked the product and it is UN3375.



EXERCISE SCENARIO



The first arriving appliances arrives and see this truck, with its back wheels on fire.

Currently this incident is being treated as a Vehicle Fire.

LG is the Controlling agency.

Based on these details what actions may the current controlling agency undertake?

EXERCISE SCENARIO



The Product is Ammonium Nitrate Emulsion

This Incident would need to be upgraded to a HAZMAT Incident.

The Incident would be handed over, Who could it be handed over too?

Who is the HMA for Hazmat?

Who is responsible for this incident now?

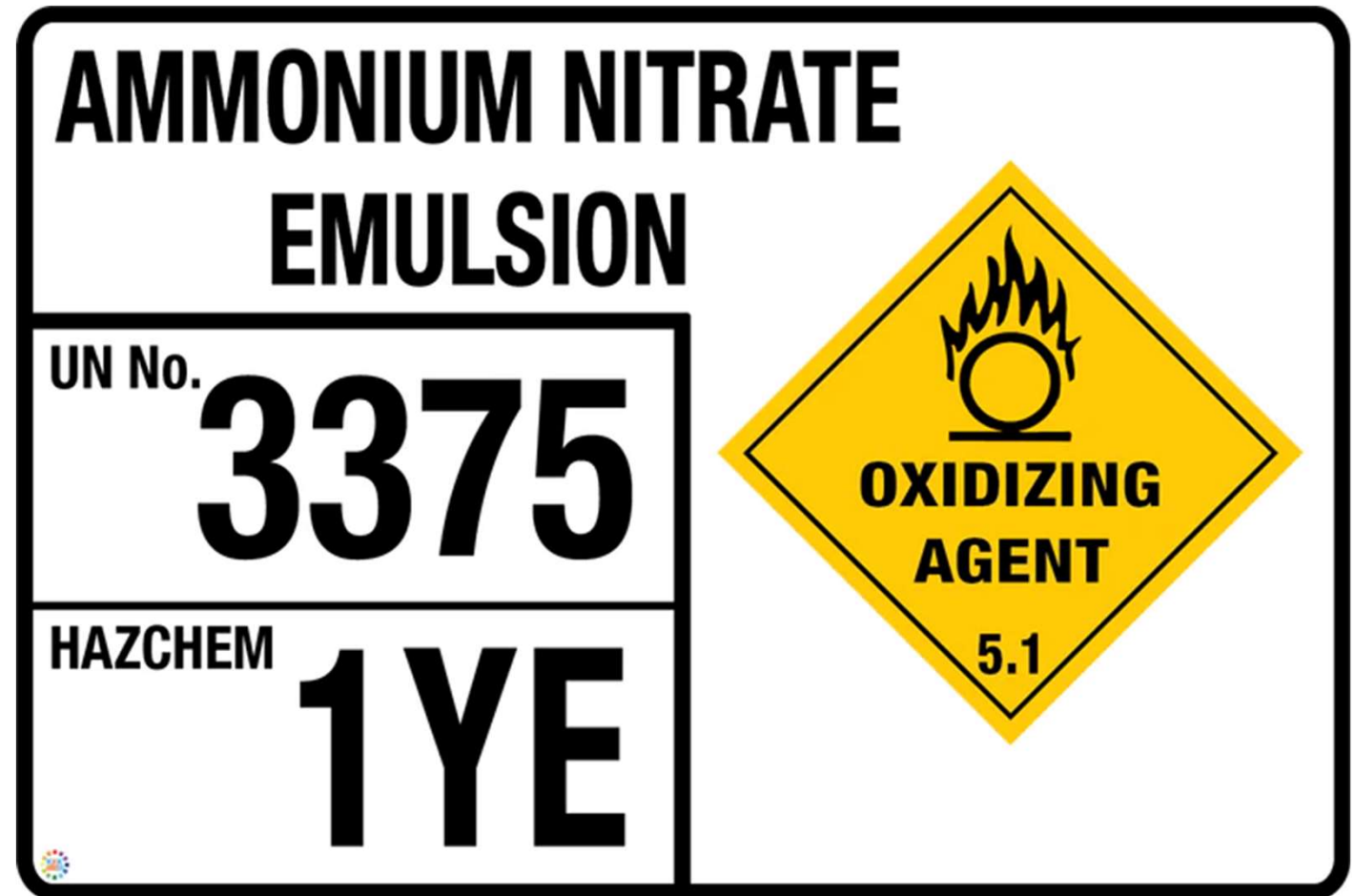
Who would assume control of this incident?

EXERCISE SCENARIO

Placarding

Based on the following product.

What actions would be require ?



EXERCISE SCENARIO

ERG2024 – Guide 140 for UN3375

GUIDE OXIDIZERS
140

OXIDIZERS **GUIDE**
140

POTENTIAL HAZARDS

FIRE OR EXPLOSION

CAUTION: Ammonium nitrate products may explode if involved in fire or contaminated with hydrocarbons (fuels), organic matter, other contaminants or when hot molten and contained. Treat as an explosive (GUIDE 112).

- These substances will accelerate burning when involved in a fire.
- Some may decompose explosively when heated or involved in a fire.
- May explode from heat or contamination.
- Some will react explosively with hydrocarbons (fuels).
- May ignite combustibles (wood, paper, oil, clothing, etc.).
- Containers may explode when heated.
- Runoff may create fire or explosion hazard.

HEALTH

- Inhalation, ingestion or contact (skin, eyes) with vapors or substance may cause severe injury, burns or death.
- Fire may produce irritating, corrosive and/or toxic gases.
- Runoff from fire control or dilution water may cause environmental contamination.

PUBLIC SAFETY

- **CALL 911. Then call emergency response telephone number on shipping paper.** If shipping paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.
- Keep unauthorized personnel away.
- Stay upwind, uphill and/or upstream.
- Ventilate closed spaces before entering, but only if properly trained and equipped.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Wear chemical protective clothing that is specifically recommended by the manufacturer **when there is NO RISK OF FIRE.**
- Structural firefighters' protective clothing provides thermal protection **but only limited chemical protection.**

EVACUATION

Immediate precautionary measure

- Isolate spill or leak area in all directions for at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids.

Large Spill

- Consider initial downwind evacuation for at least 100 meters (330 feet).

Fire

- If tank, rail tank car or highway tank is involved in a fire, **ISOLATE** for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.
- If **ammonium nitrate products** are in a tank, rail car or truck and involved in a fire, **ISOLATE** for 1600 meters (1 mile) in all directions; also, initiate evacuation including emergency responders for 1600 meters (1 mile) in all directions.

EMERGENCY RESPONSE

FIRE

Small Fire

- Use water. Do not use dry chemicals or foams. CO₂ or Halon® may provide limited control.

Large Fire

- Flood fire area with water from a distance.
- Do not move cargo or vehicle if cargo has been exposed to heat.
- If it can be done safely, move undamaged containers away from the area around the fire.

Fire Involving Tanks, Rail Tank Cars or Highway Tanks

- For **ammonium nitrate products:** Do not fight cargo fire. Withdraw, evacuate and isolate area for at least 1600 meters (1 mile). Treat as an explosive (GUIDE 112). Do not enter area for 24 hours or until expert advice has been provided.
- Fight fire from maximum distance or use unmanned master stream devices or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- ALWAYS stay away from tanks in direct contact with flames.
- For massive fire, use unmanned master stream devices or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

SPILL OR LEAK

- Keep combustibles (wood, paper, oil, etc.) away from spilled material.
- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- Stop leak if you can do it without risk.
- Do not get water inside containers.

Small Dry Spill

- With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area.

Small Liquid Spill

- Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal.

Large Spill

- Dike far ahead of liquid spill for later disposal.

FIRST AID

Refer to the "General First Aid" section.

Specific First Aid:

- Contaminated clothing may be a fire risk when dry.

EXERCISE SCENARIO

ERG2024 – Guide 112 for Explosives

GUIDE EXPLOSIVES* - DIVISION 1.1, 1.2, 1.3 OR 1.5
112

EXPLOSIVES* - DIVISION 1.1, 1.2, 1.3 OR 1.5 **GUIDE**
112

POTENTIAL HAZARDS

FIRE OR EXPLOSION

- MAY EXPLODE AND THROW FRAGMENTS 1600 METERS (1 MILE) OR MORE IF FIRE REACHES CARGO.

HEALTH

- Fire may produce irritating, corrosive and/or toxic gases.

PUBLIC SAFETY

- **CALL 911. Then call emergency response telephone number on shipping paper.** If shipping paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.
- Move people out of line of sight of the scene and away from windows.
- Keep unauthorized personnel away.
- Stay upwind, uphill and/or upstream.
- Ventilate closed spaces before entering, but only if properly trained and equipped.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing provides thermal protection **but only limited chemical protection.**

EVACUATION

Immediate precautionary measure

- Isolate spill or leak area immediately for at least 500 meters (1/3 mile) in all directions.

Large Spill

- Consider initial evacuation for 800 meters (1/2 mile) in all directions.

Fire

- If rail car or trailer is involved in a fire, ISOLATE for 1600 meters (1 mile) in all directions; also, initiate evacuation including emergency responders for 1600 meters (1 mile) in all directions.

EMERGENCY RESPONSE

FIRE

CARGO Fire

- **DO NOT fight fire when fire reaches cargo! Cargo may EXPLODE!**
- Stop all traffic and clear the area for at least 1600 meters (1 mile) in all directions and let burn.
- **Do not move cargo or vehicle if cargo has been exposed to heat.**

TIRE or VEHICLE Fire

- **Use plenty of water - FLOOD it! If water is not available, use CO₂, dry chemical or dirt.**
- If possible, and WITHOUT RISK, use unmanned master stream devices or monitor nozzles from maximum distance to prevent fire from spreading to cargo area.
- Pay special attention to tire fires as re-ignition may occur. Stand by, at a safe distance, with extinguisher ready for possible re-ignition.

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames) from immediate area.
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 METERS (330 FEET) OF ELECTRIC DETONATORS.
- **DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.**

FIRST AID

Refer to the "General First Aid" section.

EXERCISE SCENARIO

As this is now a HAZMAT incident:

- What actions need to be undertaken?
 - Actions?
 - How and who?
- What agencies may need to be notified/involved?
 - Who will be involved?
 - Who may be involved or notified?



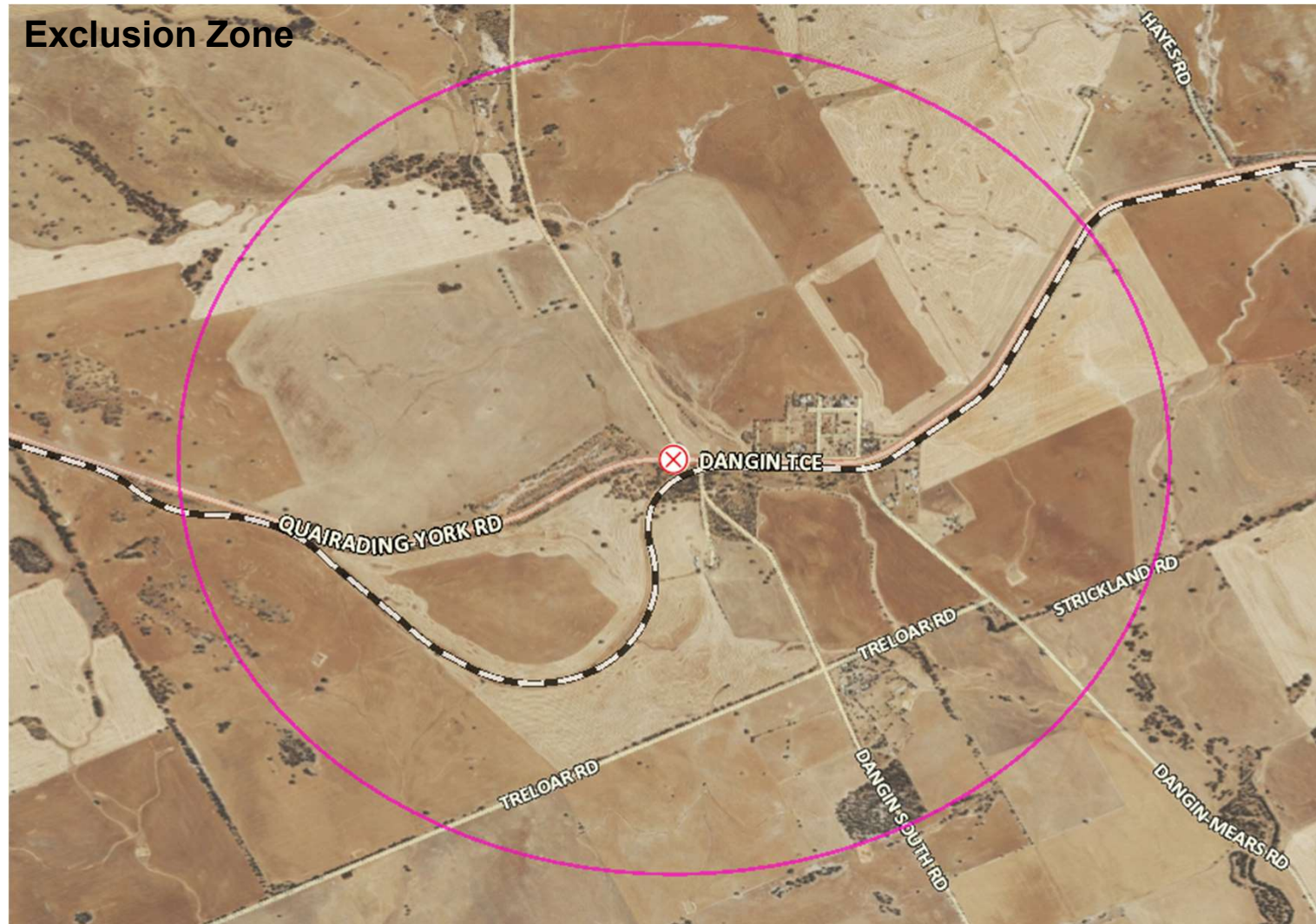
EXERCISE SCENARIO

At 2125hrs – the decision is made to upgrade the response and reclassify this as a **HAZMAT incident** and the incident is **handed over**.

The DFES has requested a **2km exclusion zone** be implemented, with **all properties being evacuated within the exclusion zone**, a manager has also been mobilised to support the local crews.



EXERCISE SCENARIO



EXERCISE SCENARIO



EXERCISE SCENARIO

At 2135hrs – the Incident Controller requested road closures and detours being put in place.

- Who is able to close the road (short term traffic management)?
- Who is responsible for long term traffic management?
- What is this incident was on a local road?



EXERCISE SCENARIO

Impacts of the Exclusion Zone

- What impact will this have on Dangin?
- What Impact will this have on the York-Merredin Road?
- What Stakeholder/Agencies should be involved and notified?
- What are the impacts if it does explode?
- What may be impacted?

Think PESTLE

Laverton – Great Central Oct 2022



EXERCISE SCENARIO

PESTLE Analysis

Political - Impacts of closing a major roads

Economic - Financial and Local impacts of supply chain disruption

Social - Where will the displaced people go, should half of Dangin be destroyed. What about the water and power down the line, hygiene and living conditions will be affected.

Technological/Tactical - Services such as Power, Phone reception may all be affected. How will it also affect our ability to manage further incidents. Rail Lines

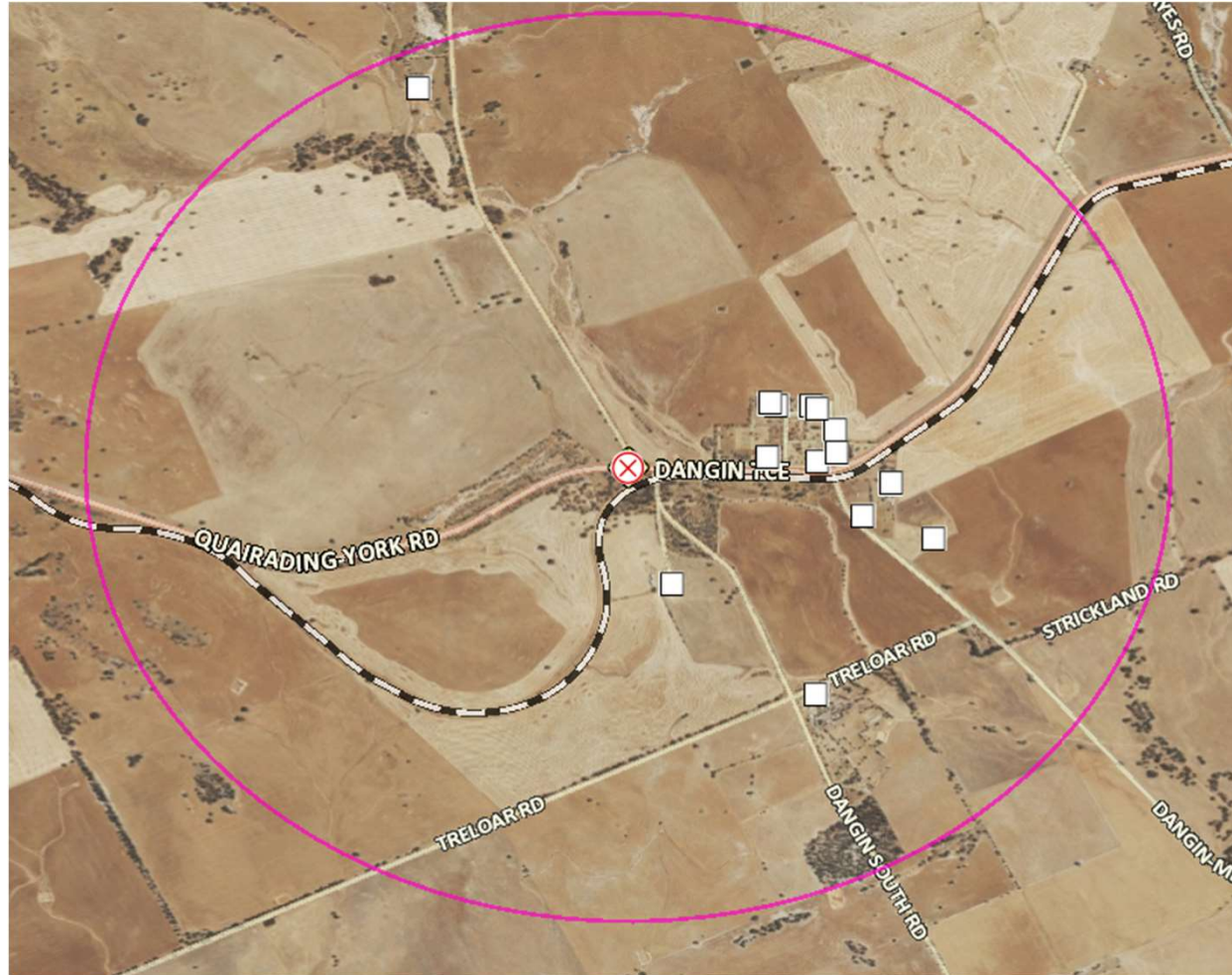
Environmental – What will be the environmental impact should the truck explode

Legal – Is there any legal implication? Legislative and Authority to Act fall here also (Who is the Controlling Agency)



EXERCISE SCENARIO

At 2135hrs – An Evacuation has been requested.



How many people do you think will be impacted?

Approx. 14 Houses
in the Exclusions
Zone

EVACUATION

Types of evacuation:



- **Self-evacuation** – self initiated (Controlling Agency provides information to the community to assist them with their decision to evacuate.
- **Controlled evacuation** – managed movement of people
 - **Recommended evacuation** – Controlling agency provides advise that they evacuate. A recommended evacuation is made when there is a possible threat to lives/property but it is not believed to be imminent or significant.
 - **Directed evacuation** – Hazard Management Agency or Controlling Agency issues a direction for people to evacuate/be evacuated, (with which they are obliged to comply when it is declared a State of Emergency), otherwise they are strongly advised to evacuate. This is most likely to occur when injury or loss of life in imminent.

EXERCISE SCENARIO

Evacuation:

- Who initiates the evacuation?
- What agencies are involved and how?
- Generally who assists with the evacuation of people in an emergency?
- For this incident what type of evacuation would be requested?

- What would we do if someone does not want to evacuate?



EXERCISE SCENARIO

Evacuation:

Stages of an evacuation (for welfare team)

- **Alert** – IC requests evacuation, HMA manages public information and information flow
- **Activation** – DoC and LG activated and evacuation centre opens and set ups
- **Stand Down** – hazard mitigated/removed, no further danger to public, Evac centre closed.

HMA/CA – has 5 stages for evacuation (decision, warning, withdrawal, shelter, return)



EXERCISE SCENARIO

Evacuation LG contacts and welfare/evacuation centres

From Local Emergency Welfare Plan – held with Department of Communities

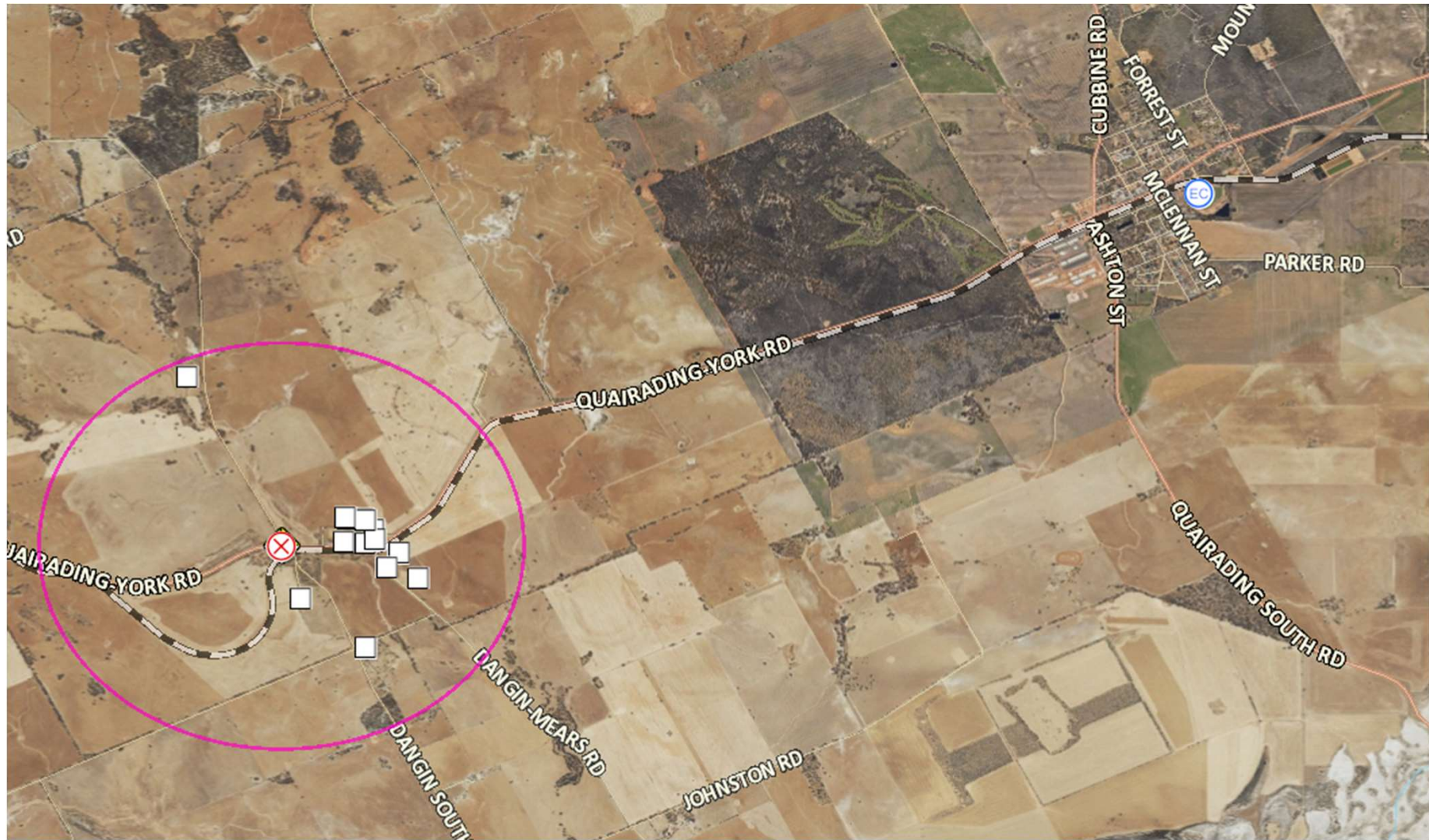
Shire of Quairading		
Function Include		
Coordination Assistance * Provision of facilities to use as Evacuation Centres		
Financial Assistance/Appeals * Assistance with Pets		
1st Contact Natalia Ness - CEO	(08) 9645 1001 shire@quairading.wa.gov.au 0499 718 368	96451001 (24/7) After hours put through to CEO
2nd Contact Ben Davies Community Emergency Service Manager (CESM)	(08) 9645 1001 Benjamin.davies@dfes.wa.gov.au	0448 008 653
3rd Contact Sarah Caporn Executive Manager Works and Setrvices	Sarah.caporn@quairading.wa.gov.au	0427 451 001
4th Contact Trevor Stacey – Deputy Shire President	crstacey@quairading.wa.gov.au	0429 969 420

At 9pm on a Saturday night would these contacts be available/around and able to assist?

WELFARE CENTRES IN THE SHIRE OF QUAIRADING						
VENUE	ADDRESS	CONTACT	CAPACITY STATUS	COVID Capacity 2m ² / 4m ²	LAT / LONG	NOTES
Quairading Community building (Primary)	Lot 190 McLennen St Quairading Greater sports ground area	Shire 96451001 CEO Nat Ness 0499 718 368 CESM Ben Davies 0448 008 653	200 / 66	100 / 50	117.401576 -32.010055	Air Con Yes Short term (Ability to plug in external Generator) Disability Access Available
Quairading Town Hall & Lesser Hall (Primary)	Jennaberring Rd (next to Shire office)	Shire 96451001 CEO Nat Ness 0499 718 368 CESM Ben Davies 0448 008 653	420 / 140	210 / 105	117.401538 -32.010118	Air Con Yes Long term Ability to plug in external Generator No Showers. Showers available at the Community Building Disability Access Available
Quairading Community Resource & Cultural Arts Centre (Secondary)	1 Parker St, Quairading	Manager 9645 0096, Environmental Officer 9645 1605, 0427 450 236	200	100	117.399334 -32.012118	Air Con Yes Short term Disability Access Available
Quairading Bowling Club	Greater Sports Ground, Quairading 6383 (off McLennan St)	Shire 96451001 CEO Nat Ness 0499 718 368	140	70/35		Air Con TBA Short Term Disability Access Available

What is the most appropriate evacuation centre and why?

EXERCISE SCENARIO

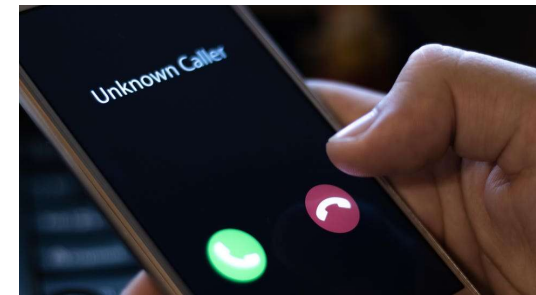


EXERCISE SCENARIO

At 2140 – An evacuation of all residents within the 2km exclusion zone is underway.

You get the phone call, requesting the Local Government open up an evacuation centre.

- Who would the phone call come from?
- What information would you ask for?
- Who is your next call?
- Who will or can open the centre up?
- Are they able to get there with the exclusion zone and how long will it take?



EXERCISE SCENARIO

A HAZMAT Warning has been issued by the HMA.

What information would need to be given to the public?

GENERAL WARNING – community potentially under threat	
* Headline [Incident type] for [suburb] in the [LGA].	
* Alert line There is a [incident type] on [street] near the intersection of [cross street] in the [LGA]	
Detailed description of incident:	
Is life/property and/or community under threat? <input type="checkbox"/> No <input type="checkbox"/> Yes Where? [street names]:	
Direction of travel [street/landmark, wind direction, area of spread/contamination]:	
Have people been relocated? <input type="checkbox"/> No <input type="checkbox"/> Yes Where?	
Is there an exclusion zone? <input type="checkbox"/> No <input type="checkbox"/> Yes How big [radius]:	
People are asked to stay away from [list areas]:	
Is there dangerous smoke or fumes in the area? <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Potential	Is there a risk of explosion? <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Potential
Is air monitoring or analysis being conducted? <input type="checkbox"/> No <input type="checkbox"/> Yes	
By who: <input type="checkbox"/> ChemCentre <input type="checkbox"/> Department of Environment Regulation <input type="checkbox"/> Other:	
What is the chemical/element/substance [technical /generic name]:	Is this confirmed <input type="checkbox"/> No <input type="checkbox"/> Yes
What is it used for:	
What side effects/symptoms does it have:	Size of fire/spill:

Credit - DFES Public Info

EXERCISE SCENARIO

Setting up an evacuation centre:

- How many people are we expecting?
- How many staff/helper will be required?
- What other agencies/services may be required at the hall? And why?
- Who can open it/has access?
- Is it a key or lock box?



EXERCISE SCENARIO

There is a local function, which 10 people are attending, luckily enough they drove to there on a small bus and have transport to the evacuation centre.

How would we transport these people and where could we find transport if they didn't have a bus available ?



EXERCISE SCENARIO



Evacuation centre:

There is approximately 40 people enroute to the evacuation centre

- Is there enough staff on site?

The first bus arrived, they want to know what's happening and when they can go back to their party?

- Where and/or who would we get this information from?

EXERCISE SCENARIO

Evacuation centre:

One of the elderly residents has arrived at the evacuation centre, she has fallen over on the way there. She is very flustered and complaining of chest pain and a sore arm.

- Who and how are we going to manage this?
- Have we got anything in place to help her?
- What/who might be required?



EXERCISE SCENARIO

Evacuation centre:

One of the families arriving at the evacuation centre has brought there family dog.

What can we do to assist?



EXERCISE SCENARIO

HAZMAT incident:

At 2330 the crews report the fire has burnt out around the wheels, they have been able to check the truck and it appears there's been no impact to the Ammonium Nitrate, and no issues with the trucks integrity.



Crews are currently in the process of clearing the truck out the way.

Whose decision is it to close the evacuation centre and what is the process?

EXERCISE SCENARIO

Hazmat incident:

- Who is responsible for clearing the truck from the road?



EXERCISE SCENARIO

Hypothetical Questions:

- If the Truck did explode, who would be responsible for the Recovery?



EXERCISE SCENARIO



Exercise Over

EXERCISE SCENARIO

Debrief:

- Was this exercise beneficial?
- Were the questions appropriate for the audience?
- Was it an appropriate length?
- What would you like the next exercise to be based on?



Thanks for your attendance

B Davies