



**LOCAL EMERGENCY
MANAGEMENT COMMITTEE
RISK TREATMENT PLANS**

Contact Us

City of Kalgoorlie-Boulder

577 Hannan Street, Kalgoorlie WA 6430

PO Box 2042 Boulder, WA 6432

T: (08) 9021 9600

F: (08) 9021 6113

E: mailbag@ckb.wa.gov.au

www.ckb.wa.gov.au



Information Locations

This information is available in alternative formats on request. Please contact The City of Kalgoorlie-Boulder for further details or visit one of our information locations:

William Grundt Memorial Library

13 Roberts Street

KALGOORLIE WA 6430

T: (08) 9021 7112

The City provides access to the Internet at this location.

History & Heritage

(Including War Museum)

Kalgoorlie Town Hall

316 Hannan Street

KALGOORLIE WA 6430

T: (08) 9093 1087

Document Control			
Document ID	2588075	Version	3
Original Date	3/05/2017	Last Review Date	Complete Rewrite
Current Review Date	3/05/2017	Next Review Date	3/05/2021
Prepared by	Paul Clifton		

Amendment List

Amendment No	Amendment Date	Details of Amendment	Amended By (Initials)	Date
1	3/05/2017	Formatting and document changes	AM, CH & AB	3/05/2017
2	5/09/2017	DCPFS, Department for Child Protection and Family Support to DoC, Department of Communities	CH	05/09/2017
3				

Contents

Contact Us	2
Information Locations	2
Amendment List	3
Disclaimer	5
Glossary of Terms and Acronyms	6
Air Transport Incident – People	11
Air Transport Incident – Property.....	12
Bushfire – People.....	13
Bushfire – Property	14
Severe Storm – Property.....	15
Severe Storm – Infrastructure	16
Urban Fire - People.....	17
Urban Fire – Property.....	18
Urban Fire – Industry	19
Hazardous Materials Incident/Chemical Spill – People.....	20
Hazardous Materials Incident/Chemical Spill – Environment.....	21
Human Epidemic – People.....	22
Human Epidemic – Financial.....	23
Human Epidemic – Industry	24
Human Epidemic – Social	25
Road Transport Incident – People.....	26
Earthquake – People.....	27
Electrical Supply Disruption – People.....	28
Blank Template	29

Disclaimer

The City of Kalgoorlie-Boulder makes no representations about the suitability of the information contained in this document or any material related to this document for any purpose. The document is provided without warranty of any kind to the extent permitted by law. The City of Kalgoorlie-Boulder hereby disclaims all warranties and conditions with regard to this information, including all implied warranties and conditions of merchantability, fitness for particular purpose, title and non-infringement. In no event shall the City of Kalgoorlie-Boulder be liable for any special, indirect or consequential damages resulting from the loss of use, data or profits, whether in an action of contract, negligence or other tortious action, arising out of or in connection with the use of information available in this document. The document or material related to this document could include technical inaccuracies or typographical errors.

The City of Kalgoorlie-Boulder Emergency Management Arrangements have been prepared and endorsed by the City of Kalgoorlie-Boulder Local Emergency Management Committee pursuant to s41(1) of the *Emergency Management Act 2005*. A copy has been submitted to the State Emergency Management Committee pursuant to s41(5) of the *Emergency Management Act 2005* and a copy has been submitted to the Eastern Goldfields District Emergency Management Committee in accordance with Item 31 of the State Emergency Management Policy Statement 2.5.

Glossary of Terms and Acronyms

The following terms apply throughout these arrangements:

COMBAT – to take steps to eliminate or reduce the effects of a hazard on the community.

COMBAT AGENCY – an organisation which, because of its expertise and resources, is responsible for performing a task or activity such as firefighting, rescue, temporary building restoration, evacuation, containment of oil spills, monitoring of radioactive materials. An emergency operation may involve a number of Combat Agencies.

COMMAND – the direction of members and resources of an organisation in the performance of the organisation's role and tasks. Authority to command is established in legislation, policy statements, and cabinet minutes and/or by agreement within an organisation. COMMAND relates to ORGANISATIONS and operates VERTICALLY within an ORGANISATION

CONTROL – the overall direction of emergency management activities in a designated emergency or disaster situation. Authority for control is established in legislation, policy statements, and cabinet minutes or in an emergency management plan and carries with it the responsibility for tasking and coordinating other organisations in accordance with the needs of the situation. CONTROL relates to SITUATIONS and operates HORIZONTALLY across ORGANISATIONS.

CONTROL CENTRE – a facility where the Incident Controller is located and from which the control and management of emergency operations is conducted. It is usually prefixed by the nature of the emergency, e.g. Fire Control Centre, Cyclone Control Centre, Forward Command Unit, etc.

CONTROLLING AGENCY – An agency nominated to control the response activities to a specified type of emergency

CO-ORDINATION – the bringing together of organisations and elements to ensure an effective response, primarily concerned with the systematic acquisition and application of resources (organisation, human resources and equipment) in accordance with the requirements imposed by the threat or impact of an emergency

DISASTER/EMERGENCY – an event, actual or imminent, which endangers or threatens to endanger life, property or the environment, and which is beyond the resources of a single organisation or which requires the coordinator of a number of significant emergency management activities. NOTE: The terms “emergency” and “disaster” are used nationally and internationally to describe events that require special arrangements to manage the situation. “Emergencies” or “disasters” are characterised by the need to deal with the hazard and its impact on the community. The term “emergency” is used on the understanding that it also includes any meaning of the word “disaster”.

DISTRICT EMERGENCY MANAGEMENT COMMITTEE– is responsible for assisting in the establishment and maintenance of effective emergency management arrangements for the district for which it is constituted and has such other functions as are prescribed by the Regulations.

EMERGENCY MANAGEMENT – is a range of measures to manage risks to communities and the environment. It involves the development and maintenance of arrangements to prevent or mitigate, prepare for, respond to, and recover from emergencies and disasters in both peace and war.

EMERGENCY MANAGEMENT CONCEPTS– Emergency Management means the management of the adverse effects of an emergency including –

1. Prevention – the mitigation or prevention of the probability of the occurrence of, and the potential adverse effects of, an emergency;
2. Preparedness – preparation for response to an emergency;
3. Response – the combatting of the effects of an emergency, provision of emergency assistance for casualties, reduction of further damage, and help to speed recovery; and
4. Recovery – the support of emergency affected communities in the reconstruction and restoration of physical infrastructure, the environment and community, psychosocial and economic wellbeing.

EMERGENCY RISK MANAGEMENT – Coordinated activities of an organisation or a government to direct and control risk. The risk management process includes the activities of:

- Communication and consultation
- Establishing the context
- Risk assessment which includes
 - Risk identification
 - Risk analysis
 - Risk evaluation
- Risk treatment
- Monitoring and review

(Ref. National Emergency Risk Assessment Guidelines AEM Manual Series Handbook 10)

EMERGENCY OPERATION CENTRE – a facility, where the area coordinator is located and from which coordination of all support to the Incident Manager is managed. There are four types of coordination centres State, Region, Local and Forward Coordination Centres

EMERGENCY COORDINATOR – the person appointed by the State Emergency Coordinator to assist the hazard management agency in the provision of a coordinated response during an emergency

FUNCTION SUPPORT COORDINATOR – that person appointed by an organisation or committee to be the Coordinator of all activities associated with a particular support function, e.g. Welfare Coordinator, Medical Coordinator, etc., and includes coordinating the functions of other organisations that support that particular function, e.g. Red Cross in the State Welfare Plan.

HAZARD - a situation or condition with potential for loss or harm to the community or the environment.

HEALTH - a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity.

HAZARD MANAGEMENT AGENCY – that organisation which, because of its legislative responsibility or specialised knowledge, expertise and resources, is responsible for ensuring that all emergency management activities pertaining to the prevention of, preparedness for, response to and recovery from, a specific hazard are undertaken. Such organisations are either designated by legislation or detailed in State level emergency management plans.

INCIDENT – an emergency, which impacts upon a localized community or geographical area but not requiring the coordination and significant multi-agency emergency management activities at a district or State level.

INCIDENT AREA – the area defined by the Incident Controller for which they have responsibility for the overall management and control of an incident.

INCIDENT SUPPORT GROUP – a group of agency/organisation liaison officers, including the designated Emergency Coordinator, convened and chaired by a person appointed by the Controlling Agency to provide agency specific expert advice and support in relation to operational response to the incident.

INCIDENT MANAGEMENT GROUP – the group that may be convened by an Incident Manager in consultation with the relevant Local Emergency Coordinator to assist in the overall management of an Incident. The IMG includes representation from key agencies involved in the response.

INCIDENT CONTROLLER – the person designated by the relevant Controlling Agency, responsible for the overall management and control of an incident within an incident area and the tasking of agencies in accordance with the needs of the situation. [Note: Agencies may use different terminology however the function remains the same].

LOCAL EMERGENCY COORDINATOR – that person designated by the Commissioner of Police to be the District or Local Emergency Coordinator with responsibility for ensuring that the roles and functions of the respective District or Local Emergency Management Committee are performed, and assisting the Hazard Management Agency in the provision of a coordinated multi-agency response during Incidents and Operations. At the State level this is the Commissioner of Police. At the District level it is the District Police Officer. At the local level it is the Senior Police Officer responsible for the police sub-district.

LOCAL EMERGENCY MANAGEMENT COMMITTEE - is established by the local government consists of a chairperson and other members appointed by the relevant local government with the Shire President/Mayor or person appointed by the Local Government as the chairperson of the committee. Functions of the Local Emergency Management Committee to advise and assist the local government in ensuring that local emergency management arrangements are established for its district, to liaise with public authorities and other persons in the development, review and testing of local emergency management arrangements, and to carry out other emergency management activities as directed by the SEMC or prescribed by the regulations. ONE-STOP-SHOP -An effective method of providing the affected community with access to information and assistance is through the establishment of a One Stop Shop/Recovery Information Centre.

LOCAL EMERGENCY MANAGEMENT ARRANGEMENTS – refers to this document and may also be referred to as ‘these arrangements’ or ‘local arrangements’.

LOCAL WELFARE COORDINATOR- is the nominated officer of the Department of Communities, located in the Local Government Authority area .The Local Welfare Coordinator will coordinate the provision of emergency welfare services during response and recovery phases of an emergency and represents the Department on the Incident Management Group when requested.

OPERATION – an Incident or multiple Incidents which impact, or is likely to impact, beyond a localised community or geographical

OPERATIONS AREA – that area, defined by the Operations Area Manager, incorporating the entire community or geographical area impacted, or likely to be impacted, by an Operation and incorporating a single or multiple Incident Areas.

OPERATIONAL AREA SUPPORT GROUP - a group of agency / organisation liaison officers, including the designated Emergency Coordinator, convened by the Operational Area Manager/Incident Controller to provide agency specific expert advice and support in relation to strategic management of the incident/s.

OPERATIONAL AREA MANAGER - the person designated by the relevant Controlling Agency, responsible for the overall management of an Emergency within a defined Operational Area and the provision of strategic direction and operational coordination to agencies and Incident Controller(s) in accordance with the needs of the situation.

PERSONAL SUPPORT SERVICES - The process of assisting the diverse, immediate as well as long term personal needs of people affected by an emergency, including the provision of information services, advice and counselling services to ensure that affected persons receive the necessary personal support to cope with the effects of loss, stress, confusion, trauma and family disruption.

RECOVERY - includes all activities to support affected communities in the reconstruction of physical infrastructure and restoration of emotional, social, economical and physical well-being.

RISK -a concept used to describe the likelihood of harmful consequences, arising from the interaction of hazards, communities and the environment.

RISK MANAGEMENT – The systematic application of management policies, procedures and practices to the task of identifying, analysing, evaluating, treating and monitoring risk. Refer to ISO 3100 (Risk Management – Principles and Guidelines) and the National Emergency Risk Assessment Guidelines (2010).

COMMUNITY EMERGENCY RISK MANAGEMENT- a systematic process that produces a range of measures which contribute to the well-being of communities and the environment. (See also – RISK MANAGEMENT)

STATE EMERGENCY COORDINATION GROUP – a group that may be established at State level, by the State Emergency Coordinator, at the request of, or in consultation with, the Hazard Management Agency, to assist in the provision of a coordinated multi-agency response to and recovery from the emergency. The SECG includes representation, at State level, from key agencies involved in the response and recovery for the emergency.

SUPPORT ORGANISATION -that organisation whose response in an emergency is either to restore essential lifeline services (e.g., Western Power, Water Corporation of W.A, Main Roads W.A. etc) or to provide such support functions such as welfare, medical and health, transport, communications, engineering etc.

UNDEFINED HAZARD - any occurrence or imminent occurrence of a hazard which is of such a nature or magnitude that it requires a significant and coordinated response but is not readily identified as a hazard within the *Emergency Management Act 2005*.

WELL-BEING -The state of being healthy, happy, or prosperous; welfare.

Acronyms Used in these Arrangements

BoM	Bureau of Meteorology
CA	Controlling Agency
CEO	Chief Executive Officer
CKB	City of Kalgoorlie–Boulder
CoE	Coordinator of Energy
DA	District Advisor
DAFWA	Department of Agriculture and Food WA
DCD	Department of Community Development
DoC	Department of Communities
DEC	District Emergency Coordinator
DEMC	District Emergency Management Committee

DER	Department of Environment Regulation
DET	Department of Education and Training
DFES	Department of Fire and Emergency Services
DFES– FRS	Fire Rescue Service
DFES–BFS	Bush Fire Service
DFES–SES	State Emergency Service
DoE	Department of Education
DoH	Department of Housing
DoT	Department of Transport
DPaW:	Department of Parks and Wildlife
ECC	Emergency Coordination Centre
EM	Emergency Management
EOC	Emergency Operations Centre
ERM	Emergency Risk Management
HEAT	HAZMAT Emergency Advisory Team
HMA	Hazard Management Agency
IAP	Incident Action Plan
IC	Incident Controller
ICC	Incident Control Centre
IMT	Incident Management Team
ISG	Incident Support Group
KBERC	Kalgoorlie-Boulder Emergency Recovery Committee
KBERP	Kalgoorlie-Boulder Emergency Recovery Plan
KBERTSP	Kalgoorlie-Boulder Emergency Risk Treatment & Strategies Plans
KBRCC	Kalgoorlie-Boulder Recovery Coordination Centre
LEC	Local Emergency Coordinator
LEMA	Local Emergency Management Arrangements
LEMC	Local Emergency Management Committee
LG	Local Government
LGA	Local Government Authority
LGWLO	Local Government Welfare Liaison Officer
LO	Liaison Officer
LRC	Local Recovery Coordinator
LRCC	Local Recovery Coordinating Committee
LRCG	Local Recovery Coordinating Group
MOU	Memorandum of Understanding
NDRRA	National Disaster Relief and Recovery Arrangements
OAM	Operational Area Manager
OASG:	Operations Area Support Group
OEM	Office of Emergency Management
OIC	Officer in Charge
PPRR	Prevention, Preparedness, Response and Recovery
RC	Recovery Coordinator
SECG	State Emergency Coordination Group
SEMC	State Emergency Management Committee
SEMC PS	State Emergency Management Committee Policy Statement
SEMCS	State Emergency management Committee Secretariat
SEMP	State Emergency Management Policy
SJA	St John Ambulance
SRCC	State Recovery Coordinating Committee
WANDARRA	WA National Disaster Relief and Recovery Arrangements
WAPol	Western Australia Police Service

Air Transport Incident – People

RISK:		RISK RATING:	RISK PRIORITY:	TREATMENT PLAN No:	1
Air Transport Incident - People		Extreme		Date	
RISK STATEMENT:					
There is a risk that if an aircraft from/to Kalgoorlie-Boulder airport across residential, commercial and/ or industrial areas/ people, animals and/or pets may be injured, may become ill and/or be killed from the impact and exposure to toxic fumes, fires and smoke resulting from the falling/flying plane debris.					
RISK ANALYSIS:					
At Risk			Source		
<ul style="list-style-type: none"> Aircraft occupants General public living/working within impact zones Animals & pets living within impact zones Motorists driving through impact zones Sightseers 			<ul style="list-style-type: none"> Pilot error/medical condition Mechanical and/or electrical aircraft failure Sabotage/vandalism arising from poor airport security Terrorist attack Aircraft collisions 		
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> Civil Aviation Safety Authority (CASA) City of Kalgoorlie - Boulder (CKB) 		<ul style="list-style-type: none"> WA Police (WAPOL) 		<ul style="list-style-type: none"> Department of Fire & Emergency Services (DFES) Local Emergency Management Committee (LEMC) 	
EXISTING CONTROLS:				AGENCY:	
Legislation, Regulations and Planning Approval for Airfields				CASA/CKB	
Pilots are medically assessed, undergo strict training and are proficiency certified/registered				CASA	
Aircraft access is protected by controlled right of entry and fencing				CKB	
Aircraft flight paths are approved/ Aircraft are monitored when entering designated airspace				CASA	
Aircraft are regularly maintained & serviced				CASA	
Regular multi-agency exercise are undertaken to test response plans and recovery strategies				LEMC/CKB/WAPOL	
Integrated communication systems & network				LEMC/CKB/WAPOL	
RECOMMENDED TREATMENTS:				AGENCY:	
Develop specific awareness campaigns for people living/working within impact zones				CKB/DFES	
Develop specific emergency response strategies resulting from residential aircraft emergencies				CASA/DFES/WAPOL	
Enforcement of strict aircraft maintenance and production of completed schedules				CASA	
Randomly test pilots for legislative compliance and competency				CASA	
Develop specific exposure & resident announcement strategies including response guidelines				DFES/CKB/DOH	
WestPlan: Air Transport Emergencies				WAPOL	
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatment to be funded from CKB budget		
			Seek other funding sources, e.g. AWARE		
MONITOR & REVIEW:					
LEMC to monitor and review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Air Transport Incident – Property

RISK:		RISK RATING:	RISK PRIORITY:	TREATMENT PLAN No:	1.2
Air Transport Incident - Property				Date	
RISK STATEMENT:					
There is a risk that if an aircraft collision/crashed occurred in or above a residential, commercial and/or industrial area, fire and/or explosion may occur and cause permanent or significant private, commercial and public property damage. Buildings directly impacted and surrounding buildings may be destroyed/damaged from flying debris and/or the impact of collision					
RISK ANALYSIS:					
At Risk			Source		
<ul style="list-style-type: none"> Residential, commercial and/or industrial property Heritage Buildings and Places of Worship Recreation, caravan and/or sporting sites/centres Public Transport buildings i.e. Kalgoorlie Railway Station Tourist Attractions 			<ul style="list-style-type: none"> Pilot error/medical condition Mechanical and/or electrical aircraft failure Sabotage/vandalism arising from poor airport security Terrorist attack Aircraft collisions 		
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> Civil Aviation Safety Authority (CASA) Local Emergency Management Committee (LEMC) 		<ul style="list-style-type: none"> WA Police (WAPOL) City of Kalgoorlie-Boulder (CKB) 		<ul style="list-style-type: none"> Department of Fire & Emergency Service (DFES) 	
EXISTING CONTROLS:				AGENCY:	
Legislation, Regulations and Planning Approval for Airfields				CASA/CKB	
Pilots are medically assessed, undergo strict training and are proficiency certified/registered				CASA	
Aircraft access is protected by controlled right of entry and fencing				CKB (Airport)	
Aircraft flight paths are approved/Aircraft are monitored when entering designated airspace				CASA	
Aircraft are regularly maintained & serviced				CASA	
Regular multi-agency exercise are undertaken to test response plans and recovery strategies				LEMC/CKB/WAPOL	
Integrated communication systems & network				LEMC/CKB/WAPOL	
RECOMMENDED TREATMENTS:				AGENCY:	
Develop specific awareness campaigns for people living/working within impact zones				CKB/DFES	
Develop specific emergency response strategies resulting from property aircraft emergencies				CASA/DFES/WAPOL	
Enforcement of strict aircraft maintenance and production of completed schedules				CASA	
Randomly test pilots for legislative compliance and competency				CASA	
Develop specific exposure & property owner announcement strategies including response guidelines				DFES/CKB	
WestPlan: Air Transport Emergencies				WAPOL	
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatment to be funded from CKB budget		
			Seek other funding sources, e.g. AWARE		
MONITOR & REVIEW:					
LEMC to monitor and review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Bushfire – People

RISK:		RISK RATING:	RISK PRIORITY:	TREATMENT PLAN No:	2
Bushfire - People				Date	
RISK STATEMENT:					
There is a risk that if a bushfire/wildfire occurred, it may cause injury or death to people. People residing in bush land areas such as Greenview, Hannans or adjacent to bushland areas may require assistance. Occurrences of smoking embers, dirt and dust may litter the City of Kalgoorlie Boulder causing an onset of respiratory conditions and increased demand on medical services. Medication supplies could run out whilst some people may be stranded. Many pets, stock may become homeless or be killed.					
RISK ANALYSIS:					
At Risk			Source		
<ul style="list-style-type: none"> Residents living within close proximity to bush land reserves: Close neighbours to above mentioned areas General public within the vicinity of a bushfire General public within reserves at onset of a bushfire Motorists from road accidents resulting from smoke or response activity Sightseers congregating to observe bushfire and response activity 			<ul style="list-style-type: none"> Build up of fuel loadings in close proximity to residential homes Failure to heed early warnings or no early warning alarm system in place Failure to undertake adequate seasonal precautionary measures Ember, smoke and/or ash attack from nearby bush land Fire Service personnel and equipment unable to access incident properties Lack of public information on fires and/or fire exit routes 		
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> Department of Parks and Wildlife (DPAW) Local Emergency Management Committee (LEMC) 		<ul style="list-style-type: none"> WA Police (WAPOL) Department of Communities (DoC) 		<ul style="list-style-type: none"> Department of Fire & Emergency Services (DFES) City of Kalgoorlie - Boulder (CKB) 	
EXISTING CONTROLS:				AGENCY:	
Reserve fuel reduction strategy to reduce hazardous burning as required				CKB	
Consideration of fuel reduction buffer zones adjacent to residential areas				CKB	
Strict enforcement of Bush Fires Act and Local Laws pertaining to lighting of fires and fuel reduction				CKB	
Early DFES and LG Bush Fire Services response				DFES/CKB	
Fire Fighting personal are well trained & regularly undergo training courses to provide local area response				DFES/CKB	
Regular multi-agency exercise are undertaken to test response plans and recovery strategies				LEMC/DFES	
Integrated communication systems & network				LEMC/CKB/DFES	
Effective "All Hazards" early warning alarm system				DFES/WAPOL	
RECOMMENDED TREATMENTS:				AGENCY:	
Develop fire management mapping and implement into EM arrangement				SLIP/CKB	
Develop fire prevention/suppression strategies as required				DFES/CKB	
Develop specific awareness/preparedness campaigns for residential areas adjacent to reserves and bush land				DFES/CKB	
Investigate Town Planning applications for residential areas adjacent to reserves and bush land				CKB	
Develop specific reserves Fire Response Strategy (Pre-Plans)				DFES/CKB	
Develop specific bush land reserves Fire Management Strategy				CKB/DPAW	
WestPlan: Fire (Bushfire)				DFES/DPAW	
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatments to be funded from CKB budget		
			Seek other funding		
MONITOR & REVIEW:					
LEMC to monitor and Review					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Bushfire – Property

RISK:		RISK RATING:	RISK PRIORITY:	TREATMENT PLAN No:	2.1
Bushfire - Property				Date	
RISK STATEMENT:					
There is a risk that if a bushfire occurred, it could destroy homes and damage property particularly those who reside in bush land areas such. Demolition of property may be necessary. Shopping centres, industrial areas could also be affected. Supply of products, foods and services may be disrupted. Demolition of private, commercial and public properties may be necessary.					
RISK ANALYSIS:					
At Risk			Source		
<ul style="list-style-type: none"> Residential, commercial and industrial property situated within close proximity to bush land reserves Close neighbours to above mentioned areas Public Structures/Buildings Recreational Sites Heritage Buildings Places of Worship 			<ul style="list-style-type: none"> Build up of fuel loadings in close proximity to residential, commercial and industrial property Failure to undertake adequate seasonal precautionary measures Ember attack from nearby bush land (e.g. evaporative air conditioners) Fire Service personnel and equipment unable to access properties Arson 		
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> Department of Parks and Wildlife (DPAW) City of Kalgoorlie-Boulder (CKB) 		<ul style="list-style-type: none"> WA Police (WAPOL) Department of Communities (DoC) 		<ul style="list-style-type: none"> Department of Fire & Emergency Services (DFES) Local Emergency Management Committee (LEMC) 	
EXISTING CONTROLS:				AGENCY:	
Reserve fuel reduction strategy to reduce hazardous burning				CKB/DFES	
Fuel reduction buffer zones adjacent to residential areas				CKB/DFES	
Strict enforcement of Bush Fires Act and Local Laws pertaining to lighting of fires and fuel reduction				CKB	
Early DFES and LG Bush Fire Services response				DFES/CKB	
Fire Fighting personal are well trained & regularly undergo training courses to provide local area response				DFES/CKB	
Regular multi-agency exercise are undertaken to test response plans and recovery strategies				LEMC/DFES/CKB	
Integrated communication systems & network				CKB/DFES	
RECOMMENDED TREATMENTS:				AGENCY:	
Develop fire management mapping and implement into EM arrangement				DPAW/CKB/LEMC	
Develop fire prevention/suppression strategies				DFES/CKB	
Develop specific awareness/preparedness campaigns for residential areas adjacent to reserves and bush land				DFES/CKB	
Develop specific reserves Fire Response Strategy (Pre-Plans) as required				DFES	
Develop specific bush land reserves Fire Management Strategy				CKB/DPAW	
WestPlan: Fire (Wildfire/Bushfire)				DFES/DPAW/CKB	
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatments to be funded from CKB budget		
			Seek other funding		
MONITOR & REVIEW:					
LEMC to monitor and Review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Severe Storm – Property

RISK:	RISK RATING:	RISK PRIORITY:	TREATMENT PLAN	3	
Storm - Property			Date		
RISK STATEMENT:					
There is a risk that a severe storm will cause substantial property damage requiring external resources to be employed for periods of 12 hours or more. Commercial and industrial property maybe damaged and forced to close.					
RISK ANALYSIS:					
At Risk		Source			
<ul style="list-style-type: none"> Residential, commercial and industrial property particularly those situated in close proximity to coastal areas Property owners closely situated to above mentioned areas Public Structures/Buildings Recreational/Tourist Sites Heritage Buildings Places of Worship 		<ul style="list-style-type: none"> Global Warming Climate Change Southern Hemisphere Tropical Zones Very low atmospheric pressure systems El Nino/La Nina events Thunder storm, rain bearing depression - ex cyclone 			
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> State Emergency Service (SES) Department of Fire & Emergency Service (DFES) 	<ul style="list-style-type: none"> WA Police (WAPOL) City of Kalgoorlie-Boulder (CKB) 	<ul style="list-style-type: none"> Bureau of Meteorology (BOM) Local Emergency Management Committee (LEMC) 			
EXISTING CONTROLS:			AGENCY:		
Public Awareness & Education Campaigns			DFES/CKB		
Information website			DFES/CKB		
Strict enforcement of Building Code and Australian Standards			CKB		
Early DFES Storm Services response			DFES		
DFES personal are well trained & regularly undergo training courses to provide local area response			DFES		
Regular multi-agency exercise are undertaken to test response plans and recovery strategies			DFES/LEMC		
Integrated communication systems & network			DFES		
Effective "All Hazards" early warning alarm system			DFES		
RECOMMENDED TREATMENTS:			AGENCY:		
Develop storm management mapping and implement into EM arrangement			LEMC		
Develop storm impact prevention/suppression strategies					
Develop specific awareness/preparedness campaigns for low lying or inundation areas			CKB		
WestPlan: Storm					
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatments to be funded from CKB budget		
			Seek other funding		
MONITOR & REVIEW:					
LEMC to monitor and review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Severe Storm – Infrastructure

RISK:		RISK RATING:	RISK PRIORITY:	TREATMENT PLAN	3.1
Storm - Infrastructure				Date	
RISK STATEMENT:					
There is a risk that if a severe storm occurred, it could damage or destroy overhead power lines and communication infrastructure, causing service and communication interruptions to homes, businesses, industry and traffic management lights. The Kalgoorlie switchyard (?) terminal may be affected. The Kalgoorlie Waste Water Treatment Plant and or sewer system may be affected.					
RISK ANALYSIS:					
At Risk			Source		
<ul style="list-style-type: none"> Power/ Water/ Gas Road & Rail Transport Bridges & Footpaths Communications Sewerage & Drainage Systems Street Lighting 			<ul style="list-style-type: none"> Global Warming Climate Change Southern Hemisphere Tropical Zones Very low atmospheric pressure systems El Nino/La Nina events 		
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> State Emergency Service (SES) Bureau of Meteorology (BOM) 		<ul style="list-style-type: none"> WA Police (WAPOL) Department of Fire & Emergency Service (DFES) 		<ul style="list-style-type: none"> City of Kalgoorlie-Boulder (CKB) Local Emergency Management Committee (LEMC) 	
EXISTING CONTROLS:				AGENCY:	
Public Awareness & Education Campaigns				DFES/CKB	
Information website				CKB	
Strict enforcement of Building Code Standards				CKB	
Early DFES storm Services response				DFES/SES	
DFES personal are well trained & regularly undergo training courses to provide local area response				DFES	
Regular multi-agency exercise are undertaken to test response plans and recovery strategies				LEMC/DFES	
Integrated communication systems & network				LEMC/DFES/CKB	
Effective "All Hazards" early warning alarm system				DFES	
RECOMMENDED TREATMENTS:				AGENCY:	
Develop storm management mapping and implement into emergency management arrangement				LEMC/CKB	
Develop storm prevention/suppression strategies				CKB	
Develop specific awareness/preparedness campaigns for low lying or inundation areas				CKB/ DFES	
Investigate planning applications for building code compliance in low lying development areas				CKB	
Develop specific storm Response Strategy (Pre-Plans)				DFES	
Develop specific Storm Management Strategy				CKB	
WestPlan: Storm				DFES	
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatments to be funded from CKB budget		
			Seek other funding		
MONITOR & REVIEW:					
LEMC to monitor and review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Urban Fire - People

RISK:	RISK RATING:	RISK PRIORITY:	TREATMENT PLAN	4	
Urban Fire - People			Date		
RISK STATEMENT:					
There is a risk that if urban fire occurred in Hannan or Burt Street, or buildings such as day care centres, pre-school, schools, aged care facilities, retirement villages, cinemas and shopping centres, injury or multiple deaths may occur, and many pets may be homeless or killed. Toxic fumes from the fires may cause people with respiratory issues or other health conditions to become ill in surrounding areas. Survivors would be displaced and emergency service personnel in attendance may be at risk of injury or death from fighting the fire.					
RISK ANALYSIS:					
At Risk		Source			
<ul style="list-style-type: none"> Persons/animals living/working in domestic/commercial and/or industrial sites Persons living/working in close proximity to incident site General public within the vicinity of an urban fire Motorists from road accidents resulting from smoke or response activity Vulnerable age groups i.e. senior citizens/infant children Passers-by 		<ul style="list-style-type: none"> Build up of fuel loadings in close proximity to residential homes Erratic weather and/or fire conditions Human and/or industrial accident Failure to undertake adequate seasonal precautionary measures Arson Ember, smoke and/or ash attack from nearby bush land Fire Service personnel and equipment unable to access incident properties 			
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> State Emergency Service (SES) Department of Fire & Emergency Service (DFES) 	<ul style="list-style-type: none"> WA Police (WAPOL) City of Kalgoorlie-Boulder (CKB) 	<ul style="list-style-type: none"> St John Ambulance (SJA) Department of Health (DOH) Department of Communities (DoC) 			
EXISTING CONTROLS:			AGENCY:		
<i>Fire Brigade Act 1942/ Local Government Act 1995/ Building Code/ Explosives and Dangerous Goods Act 1961/ Occupational Health and Safety Act 1984</i>			DFES		
Community Education & Fire Awareness Campaigns			DFES		
Enforcement of Building Code of Australia			CKB		
DFES maintain a 24/7 Communications Centre for emergency calls			DFES		
Emergency Services "000" telephone number is available 24/7			DFES		
DFES personnel are highly trained in Fire Fighting Search and Rescue			DFES		
RECOMMENDED TREATMENTS:			AGENCY:		
Develop fire management mapping and implement into EM arrangement			LEMC/CKB		
Develop fire prevention/suppression strategies			CKB		
Identify suitable evacuation centres for fire affected victims			CKB		
Develop specific awareness/preparedness campaigns for residential/commercial/industrial areas			CKB/DFES		
Investigate Town Planning applications for residential/commercial/industrial areas			CKB		
Develop specific Urban Fire Management Strategy			CKB		
WestPlan: Fire (Urban)			DFES		
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatments to be funded from CKB budget		
			Seek other funding		
MONITOR & REVIEW:					
LEMC to monitor and review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Urban Fire – Property

RISK:		RISK RATING:	RISK PRIORITY:	TREATMENT PLAN	4.1
Urban Fire - Property				Date	
RISK STATEMENT:					
There is a risk that an urban fire will cause major damage to residential, commercial and/or industrial property, which could leave resident's homeless and businesses/industry unable to operate. Many properties may be affected by the fire and associated explosions if these properties housed volatile hazardous materials. Properties may be severely damaged or destroyed, with some being deemed unsafe and requiring demolishing. Business areas such as Hannan and Burt Street Central Business Districts and the major industrial areas located at Boulder, West Kalgoorlie would be vulnerable particularly if those businesses stocked accelerants or flammable materials such as wood, chemicals or fuels.					
RISK ANALYSIS:					
At Risk			Source		
<ul style="list-style-type: none"> Residential, commercial and industrial property Public Structures/Buildings Recreational/Tourist Sites Heritage Buildings Places of Worship 			<ul style="list-style-type: none"> Build-up of fuel loadings in close proximity to residential homes Ember, smoke and/or ash attack from nearby bush land Fire Service personnel and equipment unable to access incident areas Lack of public information on emergency situations protocols incl fire Erratic weather and/or fire conditions Human negligence and/or accident Arson 		
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> State Emergency Service (SES) St John Ambulance (SJA) Department of Communities (DoC) 		<ul style="list-style-type: none"> WA Police (WAPOL) City of Kalgoorlie-Boulder (CKB) 		<ul style="list-style-type: none"> Department of Fire & Emergency Service (DFES) Department of Health (DOH) 	
EXISTING CONTROLS:				AGENCY:	
Legislation:- <i>Fire Brigade Act 1942/ Local Government Act 1995/ Building Code/ Explosives and Dangerous Goods Act 1961/ Occupational Health and Safety Act 1984</i>				DFES	
Community Education & Fire Awareness Campaigns				DFES	
Building Code of Australia				CKB	
DFES maintain a 24/7 Communications Centre for emergency calls				DFES	
Emergency Services "000" telephone number is available 24/7				DFES	
DFES personnel are highly trained in Fire Fighting Search and Rescue				DFES	
RECOMMENDED TREATMENTS:				AGENCY:	
Develop fire management mapping and implement into EM arrangement				CKB/LEMC	
Develop fire prevention/suppression strategies				CKB	
Identify suitable evacuation centres for fire affected victims				CKB	
Develop specific awareness/preparedness campaigns for residential/commercial/industrial areas				CKB/ DFES	
Investigate Town Planning applications for residential/commercial/industrial areas				CKB	
Develop specific Urban Fire Management Strategy				CKB	
WestPlan: Fire (Urban)				DFES	
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatments to be funded from CKB budget		
			Seek other funding		
MONITOR & REVIEW:					
LEMC to monitor and review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Urban Fire – Industry

RISK:		RISK RATING:	RISK PRIORITY:	TREATMENT PLAN	4.2
Urban Fire - Industry				Date	
RISK STATEMENT:					
There is a risk that if an urban fire occurred, it could damage or destroy overhead power lines and communication infrastructure, causing service and communication interruptions to homes, businesses, industry and traffic management lights. The Kalgoorlie railyard may be affected whilst an urban fire could impact upon roads and rail transport infrastructure causing fire debris, damage to roads, traffic congestion, accidents and impact on the supply of products and services to residents and businesses.					
RISK ANALYSIS:					
At Risk			Source		
<ul style="list-style-type: none"> Power/ Water/ Gas Road & Rail Transport Bridges & Footpaths Communications Sewerage & Drainage Systems Street Lighting 			<ul style="list-style-type: none"> Build-up of fuel loadings in close proximity to residential homes Ember, smoke and/or ash attack from nearby bush land Fire Service personnel and equipment unable to access incident areas Lack of public information on emergency situations protocols incl fire Erratic weather and/or fire conditions Human negligence and/or accident Arson 		
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> State Emergency Service (SES) St John Ambulance (SJA) Department of Communities (DoC) 		<ul style="list-style-type: none"> WA Police (WAPOL) City of Kalgoorlie-Boulder (CKB) 		<ul style="list-style-type: none"> Department of Fire & Emergency Service (DFES) Department of Health (DOH) 	
EXISTING CONTROLS:				AGENCY:	
Legislation:- <i>Fire Brigade Act 1942/ Local Government Act 1995/ Building Code/ Explosives and Dangerous Goods Act 1961/ Occupational Health and Safety Act 1984</i>				DFES	
Community Education & Fire Awareness Campaigns				DFES	
Building Code of Australia				CKB	
Installation of Smoke Alarms/Heat Detectors/Fire Suppression Systems in new properties				CKB/DFES	
DFES maintain a 24/7 Communications Centre for emergency calls				DFES	
Emergency Services "000" telephone number is available 24/7				DFES	
DFES personnel are highly trained in Fire Fighting Search and Rescue				DFES	
RECOMMENDED TREATMENTS:				AGENCY:	
Develop fire management mapping and implement into EM arrangement				CKB/LEMC	
Develop fire prevention/suppression strategies				CKB	
Identify suitable evacuation centres for fire affected victims				CKB	
Develop specific awareness/preparedness campaigns for residential/commercial/industrial areas				CKB/ DFES	
Investigate Town Planning applications for residential/commercial/industrial areas				CKB	
Develop specific Urban Fire Management Strategy				CKB	
WestPlan: Fire (Urban)				DFES	
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatments to be funded from CKB budget		
			Seek other funding		
MONITOR & REVIEW:					
LEMC to monitor and review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Hazardous Materials Incident/Chemical Spill – People

RISK:	RISK RATING:	RISK PRIORITY:	TREATMENT PLAN	5	
Hazardous Materials/Chemical Spill - People			Date		
RISK STATEMENT:					
There is a risk that if a chemical/hazardous material spill occurred, illness, injury or death to people residing within the City of Kalgoorlie - Boulder. The extent is dependent upon the location of the contamination, the climatic conditions and the nature, composition and amount of pollutant exposed to the general community. Many pets may also be affected, either becoming ill or dying.					
RISK ANALYSIS:					
At Risk	Source				
<ul style="list-style-type: none"> Persons working with hazardous chemicals General public living/working within impact zones Animals & pets living within impact zones Motorists /travelers driving through impact zones Sightseers/Responders 	<ul style="list-style-type: none"> Chemically laden vehicles including trains Chemical storage facilities Industrial accident, sabotage, terrorist attack Vehicle accidents and/or collisions Train collision/derailment During chemical loading/discharge/transfer 				
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> Department of Commerce (DC) Department of Environment Regulation (DER) 	<ul style="list-style-type: none"> Department of Communities (DoC) WA Police (WAPOL) Brookfield Rail (BR) 	<ul style="list-style-type: none"> Department of Fire & Emergency Service (DFES) City of Kalgoorlie-Boulder (CKB) 			
EXISTING CONTROLS:			AGENCY:		
Pollution/waste management and land use is monitored and controlled			DER/CKB		
Chemically laden vehicles/trains must carry identifiable dangerous goods warnings /descriptions			WAPOL/DC		
Chemical storage facilities must be identifiable with dangerous goods warnings /descriptions.			CKB/DC		
Employers must prepare Material Safety Data Sheets for transported dangerous goods			DC		
Hazardous Emergency Advisory Team (HEAT) are on call 24 hours			DC/DER/DOH		
HAZMAT education and awareness programs			DFES		
Regular inspections of all licensed premises to store Dangerous Goods			DFES/DC		
Licensing of dangerous goods storage, vehicles and drivers			DC		
Transport routes are specifically designed			DER/WAPOL		
RECOMMENDED TREATMENTS:			AGENCY:		
Develop dangerous goods management mapping and implement into EM arrangement			LEMC/CKB		
Develop dangerous goods identification/prevention/clean-up strategies			CKB		
Develop specific awareness campaigns for dangerous goods storage/transport			CKB/DC		
Investigate applications for dangerous goods storage/transport			CKB		
Develop specific dangerous goods Response Strategy (Pre-Plans)			DFES		
Develop inter-agency communications			DFES/DER/DC		
WestPlan: HAZMAT			DFES		
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatments to be funded from CKB budget		
			Seek other funding		
MONITOR & REVIEW:					
LEMC to monitor and review					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Hazardous Materials Incident/Chemical Spill – Environment

RISK:	RISK RATING:	RISK PRIORITY:	TREATMENT PLAN No:	5.1	
Hazardous Materials/Chemical Spill - Environment					
RISK STATEMENT:					
There is a risk of contaminants and/or pollutants, generated by a HAZMAT incident, impacting negatively on the environment that have recognised eco, flora and fauna systems. There is a risk that if negative changes occurred to the natural environment eco flora and fauna may be significantly affected, destroyed or become extinct.					
RISK ANALYSIS:					
At Risk	Source				
<ul style="list-style-type: none"> Natural flora and fauna Native animals, wildlife, birds Livestock, poultry, horticultural crops Exotic animals, aquatic plants & fish Vegetables, ground crops and fruit Animals & pets Water table/wetlands/watercourses 	<ul style="list-style-type: none"> Salinity/Drought/Heatwave/Dieback Illegal burning/burn-off Illegal dumping Climate Change Contamination/Pollution Natural phenomena: insect pests, fungal/tropical disease Tourism: human, plant and animal diseases 				
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> Department of Agriculture and Food (DAFWA) WA Police (WAPOL) Department of Parks and Wildlife (DPAW) 	<ul style="list-style-type: none"> Australian Quarantine & Inspection Service (AQIS) City of Kalgoorlie-Boulder (CKB) 	<ul style="list-style-type: none"> Department of Fire & Emergency Service (DFES) Department of Agriculture, Fisheries & Forestry (DAFF) 			
EXISTING CONTROLS:			AGENCY:		
Legislation: - <i>Bush Fires Act 1954: Health Act 1911: Environmental Protection Act 1986</i>			DFES/DAFWA/CKB		
Prohibited fuel reduction/burn off			CKB		
Public Awareness Campaigns			CKB		
Controlled importation of at risk substances/animals/insects etc			AQIS/DPAW/DOA		
Desalination/re-vegetation and/or re-forestation programs			DAFWA/DOA		
Controlled monitoring of illegal waste dumping			CKB/ DAFWA		
RECOMMENDED TREATMENTS:			AGENCY:		
Develop specific awareness campaigns for industries working with animals/plants/insects etc			DAFWA		
Develop educational programs for general public/ new migrants/tourists etc			CKB/DAFWA		
Develop zoning and movement control zones for specific environmental disease outbreaks			DAFWA		
Randomly audit industry for legislative compliance and environmental control			DAFWA		
Develop local government register for at businesses			CKB		
Increase penalties for non-compliance			DAFWA		
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatments to be funded from CKB budget		
			Seek other funding		
MONITOR & REVIEW:					
LEMC to monitor and review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Human Epidemic – People

RISK		RISK RATING:	RISK PRIORITY:	TREATMENT PLAN	6
Human Epidemic - People				Date	
RISK STATEMENT:					
There is a risk that if an epidemic occurred, the people that reside in the City of Kalgoorlie-Boulder would be at risk. Most vulnerable may be the aged groups 65+ years old and children aged less than 4 years old. Parts of the population vaccinated may have side effects and become ill or die. Quarantine of infected people will be enforced. Water supplies, drainage systems may become contaminated, therefore increasing the spread of disease. There will also be a loss of domestic livestock and pets due to the lack of proper care as human carers may be unavailable.					
RISK ANALYSIS:					
At Risk			Source		
<ul style="list-style-type: none"> • People living/ working with or near infected animals/people • People living/working near contaminated water/food • Vulnerable age groups i.e. senior citizens/infant children • People/animals with underlying medical conditions • Non-immunized persons • Essential Services personnel 			<ul style="list-style-type: none"> • Visiting trains disembarking crew/passengers • Insects/pests/animals/poultry/cattle/horses • Global Pandemic • Contamination/Pollution • Human infection • Overseas/Intrastate/interstate visitors 		
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> • Royal Flying Doctor Service (RFDS) • Department of Health (DOH) 		<ul style="list-style-type: none"> • WA Police (WAPOL) • City of Kalgoorlie-Boulder (CKB) 		<ul style="list-style-type: none"> • Australian Quarantine & Inspection Service (AQIS) • St John Ambulance (SJA) 	
EXISTING CONTROLS:				AGENCY:	
Legislation: - <i>Health Act 1911 & Quarantine Act 1908</i> (Commonwealth of Authority)				DOH/AQIS	
Collaboration with national and international health agencies on disease prevention and control activities, including quarantine procedures				DOH	
Health promotion and education programs				DOH	
Outbreak management programs, which require the rapid organisation of scientific investigations and application of disease control methods				DOH	
Notifiable disease surveillance programs, which alert health authorities to epidemics of preventable and controllable diseases				DOH/CKB	
Immunisation programs, which prevent vaccine-preventable diseases				DOH	
Monitoring programs, including food hygiene and water/sewerage treatment				DOH/CKB/DER	
RECOMMENDED TREATMENTS:				AGENCY:	
Develop inventory of suitable quarantine centres				CKB	
Develop stores of cleaning and disinfectant solutions to eliminate infectious agent/s				DOH/CKB	
Develop specific cleaning and disinfectant strategies to distribute and eliminate infectious agent/s				DOH/CKB	
Develop plans to restrict contamination, isolate infected humans & restrict human activity, social gathering & personal movement				DOH/CKB	
Develop early warning system to notify community of contaminated food and/or water				CKB/WC/DOH	
Develop communication methods for health service providers, including medical practitioners and pathology laboratories, to report cases of notifiable diseases to DOH without delay if an epidemic is anticipated or suspected				DOH/CKB	
WestPlan: Human Epidemic				DOH	
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatments to be funded from CKB budget		
			Seek other funding		
MONITOR & REVIEW:					
LEMC to monitor and review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Human Epidemic – Financial

RISK:		RISK RATING:	RISK PRIORITY:	TREATMENT PLAN	6.1
Human Epidemic - Financial				Date	
RISK STATEMENT:					
There is a risk that if an epidemic occurred, the local and state economies may be impacted due an increase number of the workforce becoming ill/dying or staying at home due to quarantine measures and/or caring for ill family members. Demand will increase for non-financial and financial assistance from local community welfare agencies, state based and federal based agencies, as people are unable to work and lead normal lives.					
RISK ANALYSIS:					
At Risk			Source		
<ul style="list-style-type: none"> All businesses that rely on human interaction/presence Businesses that sell: potable water/ food/ animals/pets Non-immunized persons Vulnerable Groups 			<ul style="list-style-type: none"> Visiting trains disembarking crew/passengers Insects/pests/animals/poultry/cattle/horses Global Pandemic Contamination/Pollution Human infection Overseas/Intrastate/interstate visitors 		
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> Royal Flying Doctor Service (RFDS) Department of Health (DOH) 		<ul style="list-style-type: none"> WA Police (WAPOL) City of Kalgoorlie-Boulder (CKB) 		<ul style="list-style-type: none"> Australian Quarantine & Inspection Service (AQIS) St John Ambulance (SJA) 	
EXISTING CONTROLS:				AGENCY:	
Legislation: - <i>Health Act 1911 & Quarantine Act 1908</i> (Commonwealth of Authority)				DOH/AQIS	
Collaboration with national and international health agencies on disease prevention and control activities, including quarantine procedures				DOH	
Health promotion and education programs				DOH	
Outbreak management programs, which require the rapid organisation of scientific investigations and application of disease control methods				DOH	
Notifiable disease surveillance programs, which alert health authorities to epidemics of preventable and controllable diseases				DOH/CKB	
Immunisation programs, which prevent vaccine-preventable diseases				DOH	
Monitoring programs, including food hygiene and water/sewerage treatment				DOH/CKB/DER	
RECOMMENDED TREATMENTS:				AGENCY:	
Develop inventory of suitable quarantine centres				CKB	
Develop stores of cleaning and disinfectant solutions to eliminate infectious agent/s				DOH/CKB	
Develop specific cleaning and disinfectant strategies to distribute and eliminate infectious agent/s				DOH/CKB	
Develop plans to restrict contamination, isolate infected humans & restrict human activity, social gathering & personal movement				DOH/CKB	
Develop early warning system to notify community of contaminated food and/or water				CKB/WC/DOH	
Develop communication methods for health service providers, including medical practitioners and pathology laboratories, to report cases of notifiable diseases to DOH without delay if an epidemic is anticipated or suspected				DOH/CKB	
WestPlan: Human Epidemic				DOH	
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatments to be funded from CKB budget		
			Seek other funding		
MONITOR & REVIEW:					
LEMC to monitor and review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Human Epidemic – Industry

RISK:		RISK RATING:	RISK PRIORITY:	TREATMENT PLAN	6.2
Human Epidemic - industry				Date	
RISK STATEMENT:					
There is a risk that if an epidemic occurred, industries will be forced to suspend trading or close their doors due to the severe staff shortages that may occur. The snowball effect being that primary based industries would be unable to provide the goods and services to businesses and clients. Primary, secondary and service industries will all be impacted, due to fall in production/ therefore severe financial losses will be incurred.					
RISK ANALYSIS:					
At Risk			Source		
<ul style="list-style-type: none"> All industrial groups that rely on human interaction/presence Industry that manufactures: potable water/ food/ animal/pet feed Businesses that lack Business Continuity Plans Tourism 			<ul style="list-style-type: none"> Visiting trains disembarking crew/passengers Insects/pests/animals/poultry/cattle/horses Global Pandemic Contamination/Pollution Human infection Overseas/Intrastate/interstate visitors 		
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> Royal Flying Doctor Service (RFDS) Department of Health (DOH) 		<ul style="list-style-type: none"> WA Police (WAPOL) City of Kalgoorlie-Boulder (CKB) 		<ul style="list-style-type: none"> Australian Quarantine & Inspection Service (AQIS) St John Ambulance (SJA) 	
EXISTING CONTROLS:				AGENCY:	
Legislation: - <i>Health Act 1911 & Quarantine Act 1908</i> (Commonwealth of Authority)				DOH/AQIS	
Collaboration with national and international health agencies on disease prevention and control activities, including quarantine procedures				DOH	
Health promotion and education programs				DOH	
Outbreak management programs, which require the rapid organisation of scientific investigations and application of disease control methods				DOH	
Notifiable disease surveillance programs, which alert health authorities to epidemics of preventable and controllable diseases				DOH/CKB	
Immunisation programs, which prevent vaccine-preventable diseases				DOH	
Monitoring programs, including food hygiene and water/sewerage treatment				DOH/CKB/DER	
RECOMMENDED TREATMENTS:				AGENCY:	
Develop inventory of suitable quarantine centres				CKB	
Develop stores of cleaning and disinfectant solutions to eliminate infectious agent/s				DOH/CKB	
Develop specific cleaning and disinfectant strategies to distribute and eliminate infectious agent/s				DOH/CKB	
Develop plans to restrict contamination, isolate infected humans & restrict human activity, social gathering & personal movement				DOH/CKB	
Develop early warning system to notify community of contaminated food and/or water				CKB/WC/DOH	
Develop communication methods for health service providers, including medical practitioners and pathology laboratories, to report cases of notifiable diseases to DOH without delay if an epidemic is anticipated or suspected				DOH/CKB	
WestPlan: Human Epidemic				DOH	
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatments to be funded from CKB budget		
			Seek other funding		
MONITOR & REVIEW:					
LEMC to monitor and review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Human Epidemic – Social

RISK:		RISK RATING:	RISK PRIORITY:	TREATMENT PLAN	6.3
Human Epidemic – Social				Date	
RISK STATEMENT:					
There is a risk that if an epidemic occurred, social and cultural ideals may be affected due to anti social targeting of quarantined groups and/or infected individuals. Hospitals and emergency centres may not be able to cope with the increasing number of cases, and people may become aggressive, abusive and violent if they feel inadequate attention and care is given to them. In general people will be cut off from normal day-to-day social activities.					
RISK ANALYSIS:					
At Risk			Source		
<ul style="list-style-type: none"> Social Networks Walk/Riding Trails Parks/Reserves Heritage Buildings Places of worship Recreational Sites Meeting places 			<ul style="list-style-type: none"> Visiting trains disembarking crew/passengers Insects/pests/animals/poultry/cattle/horses Global Pandemic Contamination/Pollution Human infection Overseas/Intrastate/interstate visitors 		
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> Royal Flying Doctor Service (RFDS) Department of Health (DOH) 		<ul style="list-style-type: none"> WA Police (WAPOL) City of Kalgoorlie-Boulder (CKB) 		<ul style="list-style-type: none"> Australian Quarantine & Inspection Service (AQIS) St John Ambulance (SJA) 	
EXISTING CONTROLS:				AGENCY:	
Legislation: - <i>Health Act 1911 & Quarantine Act 1908</i> (Commonwealth of Authority)				DOH/AQIS	
Collaboration with national and international health agencies on disease prevention and control activities, including quarantine procedures				DOH	
Health promotion and education programs				DOH	
Outbreak management programs, which require the rapid organisation of scientific investigations and application of disease control methods				DOH	
Notifiable disease surveillance programs, which alert health authorities to epidemics of preventable and controllable diseases				DOH/CKB	
Immunisation programs, which prevent vaccine-preventable diseases				DOH	
Monitoring programs, including food hygiene and water/sewerage treatment				DOH/CKB/DER	
RECOMMENDED TREATMENTS:				AGENCY:	
Develop inventory of suitable quarantine centres				CKB	
Develop stores of cleaning and disinfectant solutions to eliminate infectious agent/s				DOH/CKB	
Develop specific cleaning and disinfectant strategies to distribute and eliminate infectious agent/s				DOH/CKB	
Develop plans to restrict contamination, isolate infected humans & restrict human activity, social gathering & personal movement				DOH/CKB	
Develop early warning system to notify community of contaminated food and/or water				CKB/WC/DOH	
Develop communication methods for health service providers, including medical practitioners and pathology laboratories, to report cases of notifiable diseases to DOH without delay if an epidemic is anticipated or suspected				DOH/CKB	
WestPlan: Human Epidemic				DOH	
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatments to be funded from CKB budget		
			Seek other funding		
MONITOR & REVIEW:					
LEMC to monitor and review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Road Transport Incident – People

RISK:		RISK RATING:	RISK PRIORITY:	TREATMENT PLAN	7
Road Transport - People				Date	
RISK STATEMENT:					
There is a risk that if a major transport accident occurred, people in or near to the accident may be seriously injured or killed. Other road users may be involved, with possible injuries and /or multiple deaths. Toxic fumes from chemical and hazardous material spills and/or subsequent fires etc. may cause people with respiratory issues or other health conditions to become ill in surrounding areas. Emergency response personnel are also at risk of injury or death in the event of an unforeseen explosion/s whilst attending to the injured, spillages and fires. Major arterial routes include Anzac Drive, Great Eastern Highway, Coolgardie-Esperance High, Goldfields Highway. These routes dissect the City of Kalgoorlie-Boulder carrying hundreds of vehicles daily ranging from passenger vehicles and buses through to heavy haulage trucks bound to and from mine sites, interstate					
RISK ANALYSIS:					
At Risk			Source		
<ul style="list-style-type: none"> Vehicle occupants Persons working on public carriageways Mining employees travelling to/from work on buses Motorists driving through incident zones Sightseers/Responders/Passers-by/Pedestrians 			<ul style="list-style-type: none"> Vehicle roadworthiness Faulty traffic management systems Equipment failure Inclement weather Speeding/dangerous driving Driver fatigue/medical condition/inexperience Driver alcohol/illegal drugs/medication abuse Pedestrians/motorists/cyclists 		
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> City of Kalgoorlie-Boulder (CKB) Department of Planning & Infrastructure (DPI) 		<ul style="list-style-type: none"> WA Police (WAPOL) St. Johns Ambulance (SJA) 		<ul style="list-style-type: none"> Department of Fire & Emergency Service (DFES) Main Roads Department (MRD) 	
EXISTING CONTROLS:				AGENCY:	
Legislation: - <i>Emergency Management Act 2005/ / Coroners Act 1996/ Main Roads Act 1930/ Dangerous Goods Safety Act 2004/ Electricity Corp. Act 2005/ Environmental Protection ACT 1986/ Motor Vehicle Act 1943/ Local Govt. Act 1995/ Occupational Safety and Health Act 1984</i>				WAPOL/MRD/DPI	
Speed control systems/ i.e. multi-nova speed cameras/ radar, red light cameras etc				WAPOL	
Localized speed limits				WAPOL/DPI	
Public awareness & education programs campaigns				WAPOL/DPI	
WAPOL Probationary periods for drivers/motor cyclists				WAPOL/DPI	
Traffic management planning and heavy vehicle operations				WAPOL/DPI	
Traffic infringements, penalties & convictions				WAPOL/DPI	
Media traffic announcements				WAPOL/MRD	
RECOMMENDED TREATMENTS:				AGENCY:	
Increase penalties				WAPOL/DPI	
Introduce graduated engine sized vehicles for probationary drivers				WAPOL/DPI	
Review suburban speed limits in high density/risk areas				WAPOL/CKB/DPI	
Develop register of "Accident Hot Spots" and Risk Assess				WAPOL/DPI/MRD	
Develop annual WestPlan: Road Crash multi-agency exercise and training				WAPOL/CKB	
WestPlan: Road Crash				WAPOL	
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatments to be funded from CKB budget		
			Seek other funding		
MONITOR & REVIEW:					
LEMC to monitor and review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Earthquake – People

RISK:		RISK RATING:	RISK PRIORITY:	TREATMENT PLAN	8
Earthquake - People				Date	
RISK STATEMENT:					
There is a risk that an earthquake will cause loss of life or serious injury					
RISK ANALYSIS:					
At Risk			Source		
<ul style="list-style-type: none"> Power/ Water/ Gas Road & Rail Transport Bridges & Footpaths Communications Sewerage & Drainage Systems Building occupants Sightseers/Responders/Passers-by/ Pedestrians Mining employees 			<ul style="list-style-type: none"> Sudden movements within the earth's crust resulting in release of energy. Susceptibility of soil or rock through which the earthquake waves move. Falling buildings, trees, awnings and other structures 		
RESPONSIBLE AGENCIES/INDIVIDUALS:					
<ul style="list-style-type: none"> Department of Fire and Emergency Services (DFES) Geoscience Australia (GA) 		<ul style="list-style-type: none"> City of Kalgoorlie-Boulder (CKB) Lifelines 		<ul style="list-style-type: none"> Department of Communities (DoC) 	
EXISTING CONTROLS:				AGENCY:	
Provision of earthquake advice to the community				GA/DFES	
Public awareness and education programs.				DFES	
Application and enforcement of building codes. Building Codes of Australia Volume 1 Class 2-9 to be complied with.				CKB	
Informed land use planning for vulnerable areas (eg maintain records of landslip/other incidents and record on Assessment files).				CKB	
Ensure location and construction of buildings designated as Welfare Centres are suitable for use in this role.				CKB/DoC	
Maintain list of resources and expertise – eg transport, earth moving equipment, signage, generators, lighting, temporary toilets.				CKB	
Australian Earthquake Loading Standards				GA	
Emergency service response framework				DFES	
SES Unit equipped for earthquake response				DFES	
Maintenance of large trees in public spaces				CKB	
Providing advice in relation to the design and maintenance status of critical infrastructure services and access routes in "at risk" communities.				CKB	
RECOMMENDED TREATMENTS:				AGENCY:	
Research Commonwealth mitigation programs and disseminating information available				GA /CKB	
Earthquake risk mapping				DFES/Geoscience Australia	
Identification of suitable buildings for designation as Welfare/Evacuation Centres				CKB	
Providing advice in relation to the design and maintenance status of critical infrastructure services and access routes in "at risk" communities.				CKB	
Participation on local and regional earthquake planning committees, (where practicable).				CKB	
West Plan - Earthquake					
IMPLEMENTATION SCHEDULE:			BUDGET CONSIDERATIONS:		
All treatment options to be actioned by			Treatments to be funded from CKB budget		
			Seek other funding		
MONITOR & REVIEW:					
LEMC to monitor and review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Electrical Supply Disruption – People

(In CERA process to be further developed)

RISK:		RISK RATING:	RISK PRIORITY:	TREATMENT PLAN No:	9
Electrical Supply Disruption - People				Date	
RISK STATEMENT:					
There is a risk that an electrical supply disruption will threaten the health on those in the affected areas					
RISK ANALYSIS:					
At Risk			Source		
<ul style="list-style-type: none"> Elderly or infirmed unable to access food, water and health care due to disruptions to communications/power All consumers Effluent & wastewater disposal systems Motorists driving within affected areas Industrial and Commercial activities 			<ul style="list-style-type: none"> Terrorist attack Human error Equipment failure Sabotage/vandalism of substations Natural hazards ie fire, cyclone, storm bushfire, earthquake 		
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
<ul style="list-style-type: none"> Western Power Telstra Water Corporation 		<ul style="list-style-type: none"> City of Kalgoorlie-Boulder Alinta Gas TransAlata 		<ul style="list-style-type: none"> Coordinator of Energy (CoE) Department of Communities (DoC) 	
EXISTING CONTROLS:				AGENCY:	
Continuity of supply legislation and plans					
Public Awareness & Education Campaigns					
Information website					
RECOMMENDED TREATMENTS:				AGENCY:	
IMPLEMENTATION SCHEDULE:				BUDGET CONSIDERATIONS:	
MONITOR & REVIEW:					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED

Blank Template

(Template intentionally left blank)

RISK:			RISK RATING:	RISK PRIORITY:	TREATMENT PLAN
					No:
					Date
RISK STATEMENT:					
RISK ANALYSIS:					
At Risk			Source		
RESPONSIBLE AGENCIES/INDIVIDUAL/S:					
EXISTING CONTROLS:				AGENCY:	
RECOMMENDED TREATMENTS:				AGENCY:	
IMPLEMENTATION SCHEDULE:				BUDGET CONSIDERATIONS:	
All treatment options to be actioned by				Treatments to be funded from CKB budget	
				Seek other funding	
MONITOR & REVIEW:					
LEMC to monitor and review annually					
APPROVAL TO IMPLEMENT RECOMMENDATIONS:					
ORGANISATION	DATE	SIGNED	ORGANISATION	DATE	SIGNED