



Coal Mine Emergency Management Taskforce Status Report

As at 31 December 2014

A decorative graphic element consisting of a large, stylized 'V' shape. The 'V' is formed by three overlapping, curved bands of color: yellow on the left, red in the middle, and blue on the right. The bottom of the 'V' is a solid grey shape that tapers to a point at the center. The background of the bottom half of the page is a solid grey color.

Working in conjunction
with Communities,
Government, Agencies
and Business.

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Foreword from the Emergency Management Commissioner

It has been a challenging year for the residents of Morwell and surrounds and the Hazelwood coal-mine fire has had a lasting impact on the community.

The Coal Mine Emergency Management Taskforce was put in place in September 2014 as part of the broad response to the Hazelwood Mine Fire Inquiry to ensure that responsible departments, agencies and the owner/operator of the mines have appropriate plans and processes in place to prevent, prepare for, and respond to, any threat of fire in and around the mines this summer.

The Latrobe Valley Taskforce works with the three Latrobe Valley mines - Hazelwood, Loy Yang and Yallourn - and includes representatives from CFA, Latrobe City Council, EPA, the Victorian Workcover Authority, the Department of Economic Development, Jobs, Transport and Resources and the Department of Health and Human Services.

A separate taskforce looks after the Alcoa mine at Anglesea.

As chair of the Taskforce, I can say that without exception the members of the taskforce have been willing to work towards the common goal of improving fire preparation and prevention measures for the 2014/15 summer and into the following year.

We cannot completely prevent fires in coal mines. Hot spots and small fires are not unusual but the aim is to prevent them from spreading, to bring any fires safely and quickly under control and that any impacts on communities and power supplies are kept to a minimum.

A great deal of work has been completed by the members of the taskforce, all targeted at reducing fire risk and increasing response capabilities should a fire start outside of and reach, or start in, one of the mines.

There is a significantly increased fire response capability within the mines and within the Latrobe Valley, improvement programs in place and well progressed including improved training with local emergency services.

Though this reporting period ends at December 31, 2014 the work has continued and further gains have been made.

This report details the works that have been undertaken in the Latrobe Valley under the Taskforce terms of reference. There are ongoing actions that will continue during 2015 and the taskforce will continue to work in a collaborative approach to achieve joined up outcomes with industry, agencies and the community.



Craig Lapsley, PSM
Emergency Management Commissioner
Chair Coal Mine Emergency Management Taskforce

Executive Summary

The Coal Mine Emergency Management Taskforce commenced on 16th September 2014 as an initiative of State Government to implement the affirmations and improvement plans as recommended in the Government Response to the Hazelwood Coal Mine Fire Inquiry.

The formation of the Coal Mine Emergency Management Taskforce has been facilitated by Emergency Management Victoria (EMV) with the specific intention of reducing the risk of major fires occurring in or entering the mines during the 2014/15 summer season and into the future.

The structure of the taskforce has been to incorporate the formation of both a Latrobe Valley and a Surf Coast taskforce, to ensure a consistent approach is adopted from an emergency management perspective within all four operating brown coal mines across Victoria being Hazelwood (GDF SUEZ), Loy Yang (AGL), Yallourn (Energy Australia) and Anglesea (Alcoa).

This report captures the activities undertaken by the members of the Latrobe Valley Emergency Management Coal Mine Taskforce in the three months to December 31, 2014.

The report notes the activity undertaken by the Surf Coast Taskforce, as this was formed after the Latrobe Valley taskforce, given the immediate focus of the response required.

The taskforce is a component of the State's implementation plan and has been allocated certain responsibilities to be reported on through Emergency Management Victoria to the Monitor. It does not report against other specific recommendations made by the Hazelwood Mine Fire Inquiry as this is being undertaken formally in another process.

It is acknowledged that a number of items captured in the report form part of historical mitigation programs. The intent of the Coal Mine Emergency Management Taskforce has always been to ensure improvement work is completed in a timely manner and done in collaboration with partner agencies as required.

Terms of Reference

The following Terms of Reference were developed for the operation of the Taskforce:

- Review the fire/emergency preparedness of the four Victorian brown coal mines.
- Oversee the implementation of the relevant Hazelwood Coal Mine Inquiry affirmations and improvement plans.
- Supporting improved capability and interoperability between the coal mine industry, government agencies and community.

The Terms of Reference have been modified slightly for the Surf Coast Taskforce.

In accordance with these terms, the Taskforce's key priority to date has been the preparedness of the mines in addressing improved prevention and response capabilities, to reduce the risk of major fires occurring in or entering the mines during the 2014/15 fire season.

The additional important consideration is to foster a consistent approach by all mines in adopting standards that will achieve these goals while taking into consideration a broad scope of probabilities.

Membership

The Taskforce is Chaired by the Emergency Management Commissioner (EMC), Craig Lapsley and supported by Emergency Management Victoria. Membership comprises local government, government agencies and commercial organisations and includes:

- Latrobe City/Surf Coast Shire councils
- Victorian Workcover Authority (VWA)
- Department of Economic Development, Jobs, Transport and Resources (DEDJTR) - (Formally DSDBI)
- Country Fire Authority (CFA)
- Environment Protection Authority (EPA)
- Department of Health and Human Services (DHHS) – (Formally DH and DHS)
- GDF SUEZ- Hazelwood
- AGL - Loy Yang
- Energy Australia – Yallourn
- Department of Environment, Land, Water and Planning (DELWP) – Surf Coast (formally DEPI)
- Alcoa – Anglesea
- Others as required

Collaborative relationships have also been established with others such as VicRoads to ensure prevention and fire mitigation activities are working in harmony to achieve desired outcomes.

Taskforce Status

The Latrobe Valley Taskforce commenced on 16 September 2014. To 31 December 2014, seven meetings have been conducted and these have included visits to the mines to view first-hand the improvement and mitigation programs underway.

The Surf Coast Taskforce commenced on 14 November and has completed one meeting, one teleconference and a full day workshop hosted by Alcoa at the site and incorporating a mine visit. Alcoa is reviewing its risk analysis plans as an outcome of the November workshop. It is widely acknowledged that the level of significant fire risk for the Anglesea mine is considerably lower than for the Latrobe Valley mines. This is primarily attributed to the size of the mine, type of mining operation, coal composition, history and rehabilitation programs due to significant depth of overburden.

The Latrobe Valley Taskforce is operating from Morwell, with a supporting directorate operating from an office in the Community Information and Recovery Centre and Melbourne.

Membership bodies are well represented on the Taskforce and are engaged and committed to the process with regular meeting attendance and actions committed to and undertaken within the specified timeframes.

The current emphasis of the Taskforce is on prevention, preparedness, monitoring, response capability, recovery and communications for the current fire season.

Government agency members including VWA, DEDJTR, EPA and DHHS are key members of the Taskforce and to date have been key contributors in terms of support, expert advice, community engagement and communication, regulatory frameworks and work practices. Those agencies are also heavily involved in working toward related Hazelwood Mine Fire Inquiry Recommendations

such as Rapid Air Monitoring Response, Community Smoke, Air Quality and Health Protocol and Standard for Managing Significant Carbon Monoxide Emissions and Regulatory amendments.

Latrobe Valley Improvement Plan

An improvement plan has been developed by the Taskforce and is being implemented. The key themes of the improvement plan relate to preparedness and response to fire emergencies including:

- Monitoring systems and processes
- Planning and mapping
- Hazard reduction/removal
- Improved capability- training and equipment
- Operational improvements
- Relationships, including the sharing of information between and with industry and agencies
- Systems alignment
- Welfare

These themes have been more broadly applied to an *Initiatives Status and Monitoring Program* and are incorporated in this report under the *Initiatives to Date* section commencing on page 9 of this report.

Communications Reporting

A Communications Group was established to:

- Develop overall approach and direction
- Identify key stakeholders for engagement
- Manage development and timing of media releases
- Facilitate consistency of messaging and engagement across communities

The Communications Group, Chaired by EMV was established in October 2014 and has been meeting on an as-needs basis. Membership consists of representatives of each of the taskforce member bodies.

Members have been distributing information to Latrobe Valley communities about their own agency responsibilities using a range of mediums.

Community Communications:

- In early summer, localised media release outlining upcoming risks of fire season and outlining preparations undertaken by mine operators and agencies ahead of the season
- Media interviews with EMC Craig Lapsley have been regular and ongoing
- Letter from EMC distributed to approximately 45 community leaders, and through the Latrobe Valley business networks and media in Morwell detailing the additional and improved preparations undertaken by emergency services, government agencies and mine operators ahead of the 2014-15 summer
- Community update video featuring the EMC outlining the additional and improved preparations carried out ahead of 2014-15 summer

- Community Recovery Committee were provided a briefing on the status and activities of the Coal Mine Emergency Management Taskforce

Industry and Emergency Services Communications:

- GDF SUEZ conducted a community briefing day in October 2014. This was attended by politicians, councillors, community group representatives and the Taskforce participated. Briefing on the mines fire mitigation program and plans/actions to meet Inquiry outcomes were provided together with a tour of the mine to display works in progress. Media coverage was also undertaken. The event was well received by attendees. GDF SUEZ plan to conduct a further briefing in coming months.
- Coal mine fire introductory video from EMC, mine operators and CFA outlining specific dangers and hazards presented by a coal mine fire. To be used in briefing emergency responders to coal mine fires, particularly those who may have limited experience in such environments.
- There have been 18 media articles relating to the fire season, mine fires and preparedness of mines and agencies across the Latrobe Valley, and a number of radio interviews and updates conducted.

Initiatives to date

It is recognised that a number of the items captured in the tables on pages 9-15 form part of historical mitigation programs.

However, these are considered vital investments in terms of fire mitigation and control as well as providing a level of consistency of approach across mines. It is important these are captured as part of the recording and recognition of recent improvements and enhancements as out-workings of the Hazelwood Coal Mine Fire Inquiry and the Taskforce.

The tables on these pages relate to the Latrobe Valley Coal Mine Taskforce. The work of the Surf Coast Taskforce is referenced briefly under Taskforce Status on page 5.

The reporting, as at December 31 2014, is grouped into these themes:

Surveillance/ Monitoring of Hotspots

Control Management of Hotspots

Integration of GDF Suez into incident management structure

Capability to respond and manage fires in the mine

Development of Compressed Air Foam System (CAFS)

Operational Improvement Plan

Training and preparedness

Industry Relationship

Welfare / Staging Areas

Incident Naming

Hazard Removal

The action items listed under each of the headings have been given a status. The status is explained below.

Completed: Works or systems and processes that have been implemented and will not be further increased in foreseeable future

Established: Works or systems and processes satisfactorily in place and operating

Ongoing: A continuing practice that may evolve

In progress: Progressing well but not yet completed

Pending: Planning underway

The full list of items is available from pages 9 – 15.

Initiatives to Date (continued)

Surveillance/ Monitoring of Hotspots	Status
<p>Action:</p> <p>CFA – Aerial FLIR Monitoring</p> <ul style="list-style-type: none"> • Flights conducted over mines and fire impacted areas from February fires during September and early October 2014. • Initiated fortnightly flights prior to Christmas which will continue to the end of February 2015 when this arrangement will be reviewed. Following this, consideration will be given to flights being risk based in accordance with preparedness arrangements, in the lead up to and after spike days. • Thermal imaging camera technology available on primary response vehicles. • Thermal imaging activity is ongoing in the mine and CFA are responding as always done. <p>Hazelwood – GDF SUEZ</p> <ul style="list-style-type: none"> • Two trailer mounted FLIR cameras permanently located. One on Northern batters to monitor Southern batters and one on Southern batters to monitor Northern batters. TIC skilled personnel are available to provide follow up monitoring for areas of concern. • Permanent CCTV cameras installed in the mine and monitored by control centre staff. <p>Yallourn – Energy Australia</p> <ul style="list-style-type: none"> • Permanent CCTV cameras in place to cover mine and monitored by mine control centre staff. • Number of portable monitoring cameras also utilised with adequate resources rostered to relocate and maintain as required. <p>Loy Yang – AGL</p> <ul style="list-style-type: none"> • Permanent CCTV monitoring in place at top of mine to provide coverage of mine and surrounds. • Multiple cameras continually monitoring mine and replayed in Management Centre and ICC. • Control room operates 24/7 which is responsible for monitoring and despatching of Emergency Response 	<p>Completed</p> <p>Established</p> <p>Established</p> <p>Ongoing</p> <p>Established</p> <p>Established</p> <p>Established</p> <p>Established</p> <p>Established</p> <p>Established</p>

Control Management of Hotspots	Status
<p>CFA</p> <ul style="list-style-type: none"> FLIR data from flights conducted provided to Mines management to enable any identified hot spots to be mapped for appropriate follow up action and treatment. <p>Hazelwood – GDF SUEZ</p> <ul style="list-style-type: none"> Generator installed for backup power supply to provide uninhibited command centre capacity. Maps available at entry points for responders. <p>Yallourn – Energy Australia</p> <ul style="list-style-type: none"> Control room maintains constant mine monitoring via CCTV. Permanent 24/7 fire crews on shift at fire station. Intensive management regime in place for areas of interest Regular thermal imaging camera (TIC) monitoring in place <p>Loy Yang – AGL</p> <ul style="list-style-type: none"> Permanent 24/7 fire crews on shift Daily monitoring of hot spots Technical monitoring of hot spots Civil engineering strategy and well established access points to ensure timely response to emergencies. 	<p>Ongoing</p> <p>Completed Completed</p> <p>Established Established Established Established</p> <p>Established Established Established Established</p>
Integration of GDF Suez into incident management structure	
<p>Hazelwood – GDF SUEZ</p> <ul style="list-style-type: none"> Emergency Commanders and identified staff have been trained in Australasian Inter-service Incident Management System (AIIMS) ICS. Additional training in AIIMS has been arranged for early next year for additional personnel. Designated GDF SUEZ personnel to attend Regional Incident Control Centre (ICC) during incidents that have potential to impact the mine. GDF SUEZ to engage in all relevant Incident Controller and media briefings. <p>Yallourn – Energy Australia</p> <ul style="list-style-type: none"> Level one Incident Control Centre established for extreme fire danger days. 7 qualified Level 2 ICs. 16 AIIMS trained personnel. Expanding training to all AIIMS related positions within incident management structure. Introduction to AIIMS specific to mining industry. <p>Loy Yang – AGL</p> <ul style="list-style-type: none"> Well established and equipped ICC on site. Integrated training conducted with CFA regularly. Staff trained in AIIMS. Emergency Manager chairs Central Gippsland Essential Industries Group (CGEIG.) 17 nationally accredited L2 IC's on site Pre incident response mechanisms and plans in place to ensure timely activation appropriate appliances 4x4 mines, pumpers power station. Activation is automated. 	<p>Completed</p> <p>In progress</p> <p>Ongoing</p> <p>Established</p> <p>Established Established Established</p> <p>In progress In progress</p> <p>Established Ongoing Established</p> <p>Ongoing Established</p> <p>Established Established</p>

Capability to respond and manage fires in the mine	Status
<p>CFA</p> <ul style="list-style-type: none"> • District 27 to be established for all brigades in Latrobe City to be coordinated via a single district structure. • Aerial pumper permanently deployed to Morwell Fire Station. • CAFS units allocated • A fixed wing aircraft and helicopter with 2650ltr capacity located at Latrobe Valley over FDP. To be activated on FDI of 12+. Deployment protocols to be defined for mines. • District 10 SOP 10.01 Open Cut Coal mines (Brown Coal) – Management of firefighter safety has been developed, endorsed and distributed to brigades. In District 9&10. • An initial review of current Brigade Response Tables has been undertaken. • Traralgon ICC to be the immediate and defined ICC for this season for Level 3 incidents <p>GDF SUEZ – Hazelwood</p> <ul style="list-style-type: none"> • Signage in mine to be upgraded to better direct responders. • Maps to be made available at entry points for responders. • Additional pipe work installed on non-operational batters to provide greater wetting down and firefighting capacity • Wetting down of non-operational areas of mine on significant fire danger days. • GDF to be present in the Traralgon-based Incident Control Centre during times of incidents that may threaten the mine. • <p>Yallourn – Energy Australia</p> <ul style="list-style-type: none"> • 2 additional 300 litre fire response ute tank/pumps. • New fire service pumping system installed 1,600L/sec dual power supply. • 2 X diesel standby pumps permanently installed in system. • Latrobe River pumps, direct supply into Fire Service system. Pipe work upgraded November 2014. • Refurbished mine response trailer. • 2 x crane mounted spray nozzles • Large volume lay flat hose 6” diameter • 5 additional portable spray units purchased, now 20 in total. • Additional steel pipe purchased for Township Field for installation of permanent droppers to lower levels. • CO Health Monitor in First Aid Centre. • 20 additional portable CO monitors procured • Additional manning resources – overburden T&S operations over summer. • Maps depicting all mine water points located at gatehouse for distribution to all responding appliances <p>Loy Yang – AGL</p> <ul style="list-style-type: none"> • Additional fire fighting equipment placed online. • External contractors engaged for additional resource capacity. • Quick attack plans in place to enhance fast knock down capability. • Fire response plans structured with defined trigger points which are exercised. • Crew step ups activated in accordance with defined trigger points. 	<p>In Progress Established In progress Established Established Completed Established Completed Completed Completed Established Completed Established Established Established Established Established Completed Completed Established Completed Established Established</p>

Development of Compressed Air Foam System (CAFS)	Status
<p>CFA</p> <ul style="list-style-type: none"> • CFA has taken delivery of two compressed air foam system retrofitted tankers both of which are to be allocated to District 27 and being located at Traralgon South and Churchill Fire Brigades. • It is anticipated this capacity will be further increased in the future with the addition of more appliances • Further ongoing research being conducted into the most appropriate unit to be developed for mine fire response. • Training is underway to facilitate this increased capability with in the District <p>Loy Yang – AGL</p> <ul style="list-style-type: none"> • Full CAFS unit on order from Tasmania and due for delivery in February 2015. • Planned to purchase a second appliance late 2015. • Familiarisation awareness and techniques underway for response crews. 	<p>In progress</p> <p>Pending</p> <p>In progress</p> <p>In progress</p> <p>In progress</p> <p>In progress</p> <p>In progress</p>
Operational Improvement Plan	
<p>CFA</p> <ul style="list-style-type: none"> • Industry familiarisation sessions, including tours of the open cut mines, are being arranged for all brigades and groups within District 9 and 10 who are first responders or those who are responded when fires & incidents are escalated. • Mine familiarisation sessions for local responders are ongoing and are being conducted on an “as needs” basis. • Reviewed the Regional plans for Latrobe Valley mine events and a set of guidelines will be developed to support the management of the ongoing response requirements, in relation to Class 1 emergencies only. • As a component of District Standard Operating Procedure (DSOP) 10.01, CFA has developed with industry support the “safe operations of aircraft in open cut mines”. • As a further component of DSOP 10.01, CFA has developed with industry support the “strategies for driving in open cut mines”. • CFA has supported the development of Emergency Management Plans at various mines. • CFA in conjunction with Loy Yang are piloting an initiative to improve response and communications through the use of Alarm Signalling Equipment. • Latrobe City Council Municipal Fire Prevention Officer is now on CGEIG. <p>Latrobe City Council</p> <ul style="list-style-type: none"> • Property inspections completed, 1669 Fire Prevention Notices issued. • Monthly meetings with Energy Australia. • Major industry inspections completed with mines, APM, HPV & Energy Brix. • Mapping being produced to identify risk areas VFRR process in use. 	<p>In progress</p> <p>Ongoing</p> <p>In progress</p> <p>Established</p> <p>Established</p> <p>Completed</p> <p>In progress</p> <p>Established</p> <p>Completed</p> <p>Ongoing</p> <p>Completed</p> <p>In progress</p>

<p>Hazelwood – GDF SUEZ</p> <ul style="list-style-type: none"> Update of Emergency Response Plan and Mine Fire Instructions finalised to include additional personnel for the fire protection duties on Extreme fire danger days. Review communications protocol to ensure that during the response to a fire which is capable of impacting the community, it is able to communicate messages to the community via any protocol adopted following a review by all agencies. Outcomes of VWA verification process being considered by external consultant for implementation to improve capability as appropriate. <p>Yallourn – Energy Australia</p> <ul style="list-style-type: none"> Enhanced operational capability incorporated in capability to respond. Monthly bushfire mitigation program meetings conducted with CFA and Latrobe City Council <p>Loy Yang – AGL</p> <ul style="list-style-type: none"> Emergency Response Plan updated annually Joint training ongoing (CFA and other mines). Joint inspections and familiarisation tours completed regularly. Standardisation of equipment. 	<p>Established</p> <p>Completed</p> <p>Ongoing</p> <p>Established</p> <p>Ongoing</p> <p>Established</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p>
Training and preparedness	
<p>CFA</p> <ul style="list-style-type: none"> Training video produced with CFA input to provide experienced direction on approach to mine fire fighting. Safety aspects to align with CO protocols and SOPs. Familiarisation training for brigades in District 9 & 10 that are likely to respond to the mines. <p>Hazelwood – GDF SUEZ</p> <ul style="list-style-type: none"> Phoenix Rapidfire training conducted for mine staff to best understand predictive fire spread modelling to enable enhance mine emergency management planning in times of fire threat from outside the mine. AIIMS training and integration into ICCs Training by GDF SUEZ for emergency responders to the mine. <p>Yallourn – Energy Australia</p> <ul style="list-style-type: none"> Extensive training program conducted for all relevant staff. Training in Phoenix Rapid Fire modelling being sought. <p>Loy Yang – AGL</p> <ul style="list-style-type: none"> Regular integrated training sessions with CFA. 17 level 2 IC's and 9 ESLO's trained. Exercising conducted annually to conform with Part 6 Terrorism, Community Protection Act 2003 and approved by Minister. 	<p>Completed</p> <p>In progress</p> <p>In progress</p> <p>Completed</p> <p>Completed</p> <p>Ongoing</p> <p>Completed</p> <p>In progress</p> <p>Ongoing</p> <p>Established</p> <p>Established</p>

<ul style="list-style-type: none"> Industry Relationship 	Status
<p>ALL</p> <ul style="list-style-type: none"> Responsibility of all taskforce member agencies and industry facilitated through Taskforce meetings, workshops and field visits. Attendance and engagement of Taskforce members an indication of relationship strengths. CGEIG membership and involvement. CFA, DEDJTR and Mines working collaboratively with VWA to complete their mine verification process. Taskforce representative on State Smoke Frame Work, EPA Rapid Response, CO Protocol Working Party and CFA District 27 Projects Steering Committee. Briefings on Taskforce overview provided to State Emergency Management Team, Latrobe City Executive and Councillors, State Fire Management Planning Committee, Latrobe City Community Recovery Committee, State Government Mine Inquiry Reference Group, CFA District 27 Project Steering Committee and Hazelwood Mine Fire Recommendations Implementation Monitor. Regular meeting of industry and sub groups. CFA conduct ongoing relationship building activities with all mines and power stations. 	<p>Ongoing</p> <p>Established</p> <p>Established</p> <p>Ongoing</p> <p>Ongoing</p> <p>Completed</p> <p>Ongoing</p> <p>Ongoing</p>
<p>Welfare / Staging Areas</p>	
<p>Establishment of “dirty” welfare area within established Staging Areas will be incorporated at future incidents.</p> <p>This will ensure operational responders coming off the fireground for a break have ready access to welfare and refreshment facilities.</p>	<p>In progress</p>
<p>Incident Naming</p>	
<p>The Chief Officer is to consider a new incident type messaging convention and incident descriptor to acknowledge any event which has a "hazmat" overlay as described by the then-Fire Services Commissioner in evidence to the Hazelwood Mine Fire Inquiry.</p> <p>Suggestion would be either "fire with Hazardous Materials" or “fire producing Hazardous or Toxic Smoke”. This will be resolved in 2015.</p> <p>That the Incident be regularly checked during large scale incidents to ensure the type is correct, and corrected where incorrect for internal and external users of that information.</p>	<p>In progress</p> <p>In progress</p>

<ul style="list-style-type: none"> Hazard Removal 	Status
<p>Local Initiatives Undertaken</p> <p>Hazelwood – GDF SUEZ</p> <ul style="list-style-type: none"> Undertake the rehabilitation set out Exhibit 88 (Statement of James Faithfull, annexe 5). Clay capping to be completed by 31 December 2014. Rehabilitation of the nominated 9 hectare area on the Northern Batters. Removal of vegetation on the worked out northern batters of the mine to reduce fire risk commencing in the areas closest to Morwell. <p>Yallourn – Energy Australia</p> <ul style="list-style-type: none"> Township Field – Mineral earth breaks. East Field extension along Latrobe Road – Dozing overburden over worked out coal slopes commencing mid November 2014. Slashing within mine commenced 10 November. Slashing around mine commencing in November, areas as guided by CFA curing maps. Grading program (Nov/Dec) for mine perimeter, worked out areas of Township field and Witts Gully bush area. Detailed fuel reduction/management map completed for mine surrounds to provide history and ongoing monitoring/management. <p>Loy Yang – AGL</p> <ul style="list-style-type: none"> Fire prevention management plan completed for management of land surrounding the mine for management of vegetation types and fuel reduction. Slashing ongoing. Grazing program in place. Mineral earth works ongoing. <p>Latrobe City Council</p> <ul style="list-style-type: none"> Roadside slashing program commenced 17 November 2014 with two crews. No permits to burn approved after Christmas. Latrobe City contractors to force clear approximately 200 properties. 	<p>Completed</p> <p>Completed</p> <p>Completed</p> <p>Completed</p> <p>Ongoing</p> <p>Ongoing</p> <p>Completed</p> <p>Completed</p> <p>Completed</p> <p>Ongoing</p> <p>Ongoing</p> <p>Established</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>In progress</p>

Document information

Document details

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Document approval

This document requires the following approval:

Name	Title	Organisation
Craig Lapsley	Emergency Management Commissioner	Emergency Management Victoria

Audience

The audience for this document is Coal Mine Emergency Management Taskforce members, their agencies and industries and community.

Appendix

Acronyms	Description
AIIMS	Australasian Inter-service Incident Management System
CAFS	Compressed Air Foam System
CFA	Country Fire Authority
CGEIG	Central Gippsland Essential Industries Group
CO	Carbon Monoxide
DEDJTR	Department Economic Development, Jobs, Transport and Resources
DELWP	Department of Environment, Land, Water and Planning
DHHS	Department of Health & Human Services
DSOP	District Standard Operating Procedure
EMV	Emergency Management Victoria
EPA	Environment Protection Authority
ESLO	Emergency Services Liaison Officer
FDI	Fire Danger Index
FDP	Fire Danger Period
IC	Incident Controller
ICC	Incident Control Centre
ICS	Incident Command System
SOP	Standard Operating Procedure
VFRR	Victorian Fire Risk Register
VWA	Victorian Workcover Authority