

PARAGRAPH	SOURCE	RECOMMENDATION	ALCOA'S RESPONSE	ALCOA'S ACTIONS	TARGET DATE	STATUS UPDATE 15/11/2015
2 (Page 21)	Mining One Consultants Report	During the site visit there was evidence of heaped coal fines located along coal edges and within the pit floor area. These piles of fines pose a spontaneous combustion risk and should be minimised as far as practicable prior to encapsulation of the pit floor.	<ul style="list-style-type: none"> <li>All heaped coal fines to be flattened and compacted prior to covering with overburden material as part of the coal coverage project.</li> </ul>	<ul style="list-style-type: none"> <li>Complete coal covering with overburden</li> </ul>	31/08/2015	Complete
3 (Page 21)	Mining One Consultants Report	The risk associated with ash attack is limited to the summer period and therefore encapsulation of all horizontally exposed coal is recommended with at least one metre of waste material and this will also provide encapsulation of the coal to prevent oxidation of the coal and foreseeable spontaneous combustion events	<ul style="list-style-type: none"> <li>Coverage of horizontally exposed coal will be completed using approximately one metre of overburden waste material with the exception of the west batter (see 5 below). As at 29 July 2015 approximately 23ha of an estimated 41.3ha has been covered. Additional contract resources will commence on Friday 31 July 2015 in order to achieve the commitment of 31 August 2015.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 1 above</li> </ul>	31/08/2015	Complete
4 (Page 21)	Mining One Consultants Report	Where coal seams are being covered, it is advised that the capping material contain not less than 10% clay to help retain moisture and seal the seam against oxidation.	<ul style="list-style-type: none"> <li>Capping material to be selected by Mine Manager based on clay content to exceed the minimum 10% content when covering coal seam areas.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 1 above</li> </ul>	31/08/2015	Complete. Note approx 1 ha of SW corner could not be capped with all 10% clay material due to time constraints and material accessibility. Much of this area is covered to depth greater than 1m, and is subject to minimum twice daily inspection.
6 (Page 21)	Mining One Consultants Report	Compaction is recommended and can be achieved using either loaded trucks or the water cart during the placement of the material. Failing this a vibrating roller would be recommended.	<ul style="list-style-type: none"> <li>Compaction is achieved by being wheel rolled by either loaded trucks or the water cart. Current standard dumping procedure leads to compaction by loaded trucks as part of the ongoing coal coverage project. Compaction on vertical faces is not possible however allowances for this is made by ensuring a thicker level of overburden coverage of not less than 1.5 metres.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 1 above</li> </ul>	31/08/2015	Complete
7 (Page 21)	Mining One Consultants Report	Where practical, the preferred method of securing the exposed seams in the pit faces (vertically exposed coal) is to encapsulate this with waste material by dozing over the exposed areas, this is more critical for vertical faces that have been exposed for less than two years. However due to timing constraints and the practicalities of this, the following mitigation can be adopted as an optional strategy: <ul style="list-style-type: none"> <li>Leave the vertically exposed coal open to the elements. For faces that have been exposed for less than two years daily monitoring must be conducted for the initial three months post closure and then twice weekly thereafter. For faces that have been exposed for more than two years the face must be inspected at least once a week for signs of spontaneous combustion.</li> <li>If a heating event does occur daily inspection must resume for a period of three months after the event the twice weekly until the face has shown no spontaneous combustion issues for more than two years.</li> </ul>	<ul style="list-style-type: none"> <li>This recommendation is made on the basis that many of these faces have been exposed to the elements for up to 28 years with no heating events being recorded. In addition the risks associated with a fire event have not changed from when the mine was operating and therefore these mitigation strategies are in line with historic actions.</li> <li>Alcoa will cover all vertically exposed coal faces with the exception of the west wall face (approx 850m long by 5 - 15m high).</li> <li>Twice daily inspections will be maintained post the 31st August 2015 mine and power station shutdown by appropriately trained resources using standard checklists that cover things including: signs of spontaneous combustion, erosion of the coal coverage material that exposes coal, cracks and fines build up on the west batter etc.</li> </ul>	<ul style="list-style-type: none"> <li>Complete all vertical face coverage (except west wall) by 31st August 2015 as part of coal coverage project.</li> <li>Update daily checklist.</li> <li>Maintain daily inspection regime.</li> <li>Develop and conduct training by qualified trainer.</li> </ul>	31/08/2015 7/08/2015 21/8/15 28/8/2015	Complete Complete Complete Complete
10 (Page 21)	Mining One Consultants Report	Maintain a water cart on standby primarily for addressing ash attack and consider a product such as RST's "Flame-out" product if signs of spontaneous combustion become evident. Use this in accordance with the manufacturer's recommendations to quell any potential coal combustion risk.	<ul style="list-style-type: none"> <li>Water cart (60,000 litres capacity) already allocated to remain onsite post 31 August 2015.</li> <li>Alcoa has considered products such as RST's "Flame Out" product for use at Anglesea, however its view is that water and earthmoving equipment is sufficient to manage any fire event given site history and current coal coverage strategy.</li> </ul>	<ul style="list-style-type: none"> <li>Retain water cart.</li> </ul>	Complete	Complete

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1 (Page 22)	Mining One Consultants Report	On-going monitoring of the site must be maintained throughout the interim shutdown period as to ensure unplanned events are mitigated. It is also advised that the local CFA be made aware of the current coal coverage strategy and are familiar with the location of all infrastructure and equipment to assist if an unplanned event occurs.	<ul style="list-style-type: none"> <li>Maintain twice daily inspections per item 5 above.</li> <li>Local and regional CFA visit is being scheduled for mid August to review updated PIP and tour mine area to ensure familiarity with post shutdown site status.</li> </ul>	<ul style="list-style-type: none"> <li>Per item 5 above.</li> <li>Complete CFA site visit between 17/8/15 and 21/8/15</li> </ul>	<ul style="list-style-type: none"> <li>Per above.</li> <li>21/8/15</li> </ul>	<ul style="list-style-type: none"> <li>Complete</li> <li>CFA site visits complete 8/7/15, 29/7/15 and 3/8/15, further site visit rescheduled by CFA to 22/9/15.</li> </ul>
2 (Page 22)	Mining One Consultants Report	As a minimum, weekly inspections of the mining area must be carried out to ensure the encapsulation has not been compromised and that there are no signs of spontaneous combustion:	<ul style="list-style-type: none"> <li>Maintain twice daily inspections per item 5 above.</li> </ul>	<ul style="list-style-type: none"> <li>Per item 5 above.</li> </ul>	<ul style="list-style-type: none"> <li>Per above</li> </ul>	<ul style="list-style-type: none"> <li>Complete</li> </ul>
3 (Page 22)	Mining One Consultants Report	The site must be inspected shortly after all significant rain events to inspect the coal encapsulation for water erosion as the waste material at site will be susceptible to coal being exposed due to erosion.	<ul style="list-style-type: none"> <li>Maintain twice daily inspections per item 5 above.</li> </ul>	<ul style="list-style-type: none"> <li>Per item 5 above.</li> </ul>	<ul style="list-style-type: none"> <li>Per above</li> </ul>	<ul style="list-style-type: none"> <li>Complete</li> </ul>
4 (Page 22)	Mining One Consultants Report	During fire events the fire brigade must be notified and frequent inspections of the pit made to ensure ash attack has not occurred. The event of an unplanned fire event is a low probability however it is recommended that a TARP (Target Action Response Plan) be prepared to ensure appropriate actions are taken in the event of a local bush fire.	<ul style="list-style-type: none"> <li>Maintain twice daily inspections per item 5 above.</li> <li>CFA to be notified in the event of a fire/local bush fire event as is the current practice, to be included in Emergency Management Plan.</li> <li>TARP will be established to include updated Anglesea Emergency Plan, PIP and SWI- Management of Hot Coal and Coal Fires together with help chain and associated resourcing.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 5 above.</li> <li>Update EMP.</li> <li>Develop TARP</li> </ul>	<ul style="list-style-type: none"> <li>Per above.</li> <li>14/8/15</li> <li>7/8/15</li> </ul>	<ul style="list-style-type: none"> <li>Complete</li> <li>Complete</li> <li>Complete</li> </ul>
196 (page 30)	Rod Incoll Report dated 21 July 2015	Germination of residual and wind-borne seed is possible on the newly spread overburden areas during the spring and early summer of 2015.	<ul style="list-style-type: none"> <li>Based on its prior experience, Alcoa considers that it is highly unlikely that the newly spread overburden material will support any growth in the 2015/2016 period given that the area that the material is being sourced from has no growth after several years. This, together with the slow growing nature of the newly rehabilitated areas, leads Alcoa to conclude that vegetation growth will not be an issue for the 2015/16 fire season.</li> <li>Alcoa will however continue to complete vegetation audits that are currently conducted for the site with outcomes of these audits continuing to determine the appropriate fuel load reduction strategy, such as the current slashing program deployed for certain sections of the site.</li> </ul>	<ul style="list-style-type: none"> <li>Documented vegetation management program to be maintained.</li> </ul>	<ul style="list-style-type: none"> <li>21/8/15</li> </ul>	<ul style="list-style-type: none"> <li>Complete</li> </ul>
197 (page 30)	Rod Incoll Report dated 21 July 2015	Growth should be monitored and reduced to regulation height before the 2015/16 fire danger period if necessary.	<ul style="list-style-type: none"> <li>Vegetation management program as per item 196 above.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 196 above.</li> </ul>		
198 (page 30)	Rod Incoll Report dated 21 July 2015	Grades and irregularities in the newly filled mine surface may channel run-off and cause soil erosion after heavy rain. This could uncover coal in some areas.	<ul style="list-style-type: none"> <li>Coverage of horizontally exposed coal is being done sympathetically to future potential drainage and erosion issues and runoff will be directed to non-impactful routes where possible. Additionally, when the coal coverage project is nearing completion, the entire area will be wheel rolled along the contours, where access allows, to ensure final compaction and to minimise erosion perpendicular to the contours. Experience to date with the area already covered and with the rainfall to date, shows little to no erosion.</li> <li>Maintain twice daily inspections and develop TARP including rainfall trigger and erosion inspection requirements.</li> </ul>	<ul style="list-style-type: none"> <li>Update daily checklist.</li> <li>Maintain daily inspection regime.</li> <li>Develop and conduct training by qualified trainer.</li> <li>Develop TARP including rainfall trigger and erosion inspection requirements.</li> </ul>	<ul style="list-style-type: none"> <li>7/8/2015</li> <li>21/8/2015</li> <li>28/8/2015</li> <li>7/8/2015</li> </ul>	<ul style="list-style-type: none"> <li>Complete</li> <li>Complete</li> <li>Complete</li> <li>Complete</li> </ul>
199 (page 30)	Rod Incoll Report dated 21 July 2015	Inspection of all fill over coal and remediation of soil erosion should be carried out after rainfall.	<ul style="list-style-type: none"> <li>Refer to item 198 above.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 198 above.</li> </ul>		

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200 (page 30)	Rod Incoll Report dated 21 July 2015	The existing track network may not serve the needs of fire patrol on the overburden fill areas.	<ul style="list-style-type: none"> <li>Once the horizontal coal areas are covered, an appropriate track network will be established to an appropriate level of inspection and maintenance access without causing any unnecessary erosion.</li> </ul>	<ul style="list-style-type: none"> <li>Track network to be established.</li> </ul>	28/8/2015	Complete
201 (page 30)	Rod Incoll Report dated 21 July 2015	The track network should be reviewed in terms of the pit locations and track constructed as indicated.	<ul style="list-style-type: none"> <li>Refer to item 200 above.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 200 above.</li> </ul>		
206 (page 31)	Rod Incoll Report dated 21 July 2015	The probability of coal heating and vegetation fire spread increases as the temperature and surface wind rises and the relative humidity falls.	<ul style="list-style-type: none"> <li>Consistent with paragraph 79 of Rod Incoll's report dated 21 July, Alcoa considers that the one metre overburden coverage of the coal will satisfactorily address the risk of ambient weather conditions increasing the probability of coal heating.</li> <li>Alcoa will however develop a TARP that will include the relevant weather condition triggers (as referenced in Rod Incoll's supplementary report dated 26 July 2015 para 42) that will influence the appropriate response and resource plan.</li> </ul>	<ul style="list-style-type: none"> <li>Develop TARP including weather triggers.</li> </ul>	7/8/2015	Complete
207 (page 31)	Rod Incoll Report dated 21 July 2015	Suitable weather parameters and a set of appropriate responses should be set up as a local mine fire alert and monitored on site.	<ul style="list-style-type: none"> <li>As per item 206 above.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 206 above.</li> </ul>		
208 (page 31)	Rod Incoll Report dated 21 July 2015	Heated coal areas may develop undetected.	<ul style="list-style-type: none"> <li>Alcoa has completed a further review of the current La Trobe Valley strategy and its suitability for Anglesea. The review has re-confirmed the original assessment by Alcoa that infrared sensors will be of very limited value at Anglesea. The review considered the risk, size and coal quality differences between the operations and the limited capability of the infrared sensors to detect potential heating of coal that has now been covered by approximately 1m of overburden material.</li> <li>Twice daily inspections will be maintained.</li> </ul>	<ul style="list-style-type: none"> <li>Alcoa will continue to monitor, however at this time no further action is planned for this item.</li> </ul>	31/10/2015	Complete
209 (page 31)	Rod Incoll Report dated 21 July 2015	Details of GDF Suez's experience with hand held infrared heat detection should be sought.	<ul style="list-style-type: none"> <li>As per item 208 above.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 208 above.</li> </ul>		
210 (page 31)	Rod Incoll Report dated 21 July 2015	The probability of a fire incident rises on a declared total fire ban day.	<ul style="list-style-type: none"> <li>Resourcing for Total Fire Ban days and other extreme risk days is recognised in the Anglesea Emergency Plan and will be included in the current review being undertaken of this document to reflect conditions post 31 August 2015.</li> <li>Review Emergency Management Plan and maintain requirement to ensure total fire ban days are subject to more frequent inspections.</li> <li>Alcoa will develop a TARP that will include the relevant weather condition triggers that will influence the appropriate response and resource plan.</li> </ul>	<ul style="list-style-type: none"> <li>Review EMP.</li> <li>Develop TARP including weather triggers.</li> </ul>	14/8/2015 7/8/2015	Complete Complete
211 (page 31)	Rod Incoll Report dated 21 July 2015	The level of patrol activity should be set higher for a Total Fire Ban Day.	<ul style="list-style-type: none"> <li>Refer to item 210 above.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 210 above.</li> </ul>		
212 (page 31)	Rod Incoll Report dated 21 July 2015	An incident is most likely to occur at the mine when bushfires are burning elsewhere, in which case the CFA will be fully committed and unable to attend to an incident in the mine.	<ul style="list-style-type: none"> <li>The Anglesea Emergency Management Plan recognises that resourcing levels for Total Fire Ban days and other extreme risk days will be greater than on other days. The EMP is currently being reviewed, in conjunction with the CFA, and necessary resourcing levels to reflect conditions post 31 August 2015 will form part of this review.</li> <li>The required resourcing and broader response will be commensurate with the risk (noting that the CFA has never been called on to assist with a coal fire event in the mine in 46 years of operation and due to the coal coverage project).</li> <li>Update Emergency Management Plan to ensure appropriate resourcing available on extreme fire danger days, including communication processes with CFA.</li> </ul>	<ul style="list-style-type: none"> <li>Update EMP.</li> </ul>	14/8/2015	Complete
213 (page 31)	Rod Incoll Report dated 21 July 2015	Additional Company personnel should be on standby on extreme fire danger days to turn out to the mine if required.	<ul style="list-style-type: none"> <li>Refer to item 212 above.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 212 above.</li> </ul>		

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214 (page 31)	Rod Incoll Report dated 21 July 2015	Experienced senior managers may not be available on Total Fire Ban days when fire development is most probable.	<ul style="list-style-type: none"> <li>The Anglesea Emergency Management Plan recognises that resourcing levels for Total Fire Ban days and other extreme risk days will be greater than on other days. The EMP is currently being reviewed, in conjunction with the CFA, and necessary resourcing levels to reflect conditions post 31 August 2015 will form part of this review.</li> <li>Update Emergency Management Plan to ensure appropriate resourcing available (including Alcoa's senior management) on extreme fire danger days, including communication processes with CFA.</li> </ul>	<ul style="list-style-type: none"> <li>Update EMP.</li> </ul>	14/8/2015	Complete
215 (page 31)	Rod Incoll Report dated 21 July 2015	Managers should be rostered for availability on Total Fire Ban days.	<ul style="list-style-type: none"> <li>Refer to item 214 above.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 214 above.</li> </ul>		
216 (page 32)	Rod Incoll Report dated 21 July 2015	Even though the coal floor has been covered with fresh earth, vehicles fitted with catalytic converters may start vegetation fires in other areas.	<ul style="list-style-type: none"> <li>Alcoa has not used petrol vehicles with catalytic converters for 25 years and has specified diesel vehicles for the mine and will continue to do so post 31 August 2015, even though the risks will be significantly reduced due to the coal coverage project.</li> </ul>	<ul style="list-style-type: none"> <li>Complete</li> </ul>	Complete	Complete
217 (page 32)	Rod Incoll Report dated 21 July 2015	Vehicles fitted with catalytic converters should be excluded from the mine site.	<ul style="list-style-type: none"> <li>Refer to item 216 above.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 216 above.</li> </ul>		
218 (page 32)	Rod Incoll Report dated 21 July 2015	Hose thread compatibility issues have been experienced by CFA Brigades when assisting other parties.	<ul style="list-style-type: none"> <li>Alcoa has always utilised the 3 thread CFA hose cock specification on all of the fire service ring main outlets, inclusive of appropriate hose fittings located near the outlets. DELWP and Parks Victoria carry adaptors to fit the 3 thread CFA hose cocks.</li> <li>As part of PIP update (meeting scheduled for 3/8/15) Alcoa and the CFA will complete their review of proposed water source access points and ensure compatible fittings are installed.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure compatible fittings installed.</li> </ul>	17/8/15	Complete
219 (page 32)	Rod Incoll Report dated 21 July 2015	Hose thread compatibility with mine water points must be verified prior to the fire danger period.	<ul style="list-style-type: none"> <li>Refer to item 218 above.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 218 above.</li> </ul>		
220 (page 32)	Rod Incoll Report dated 21 July 2015	Individuals from the Anglesea Community have raised issues about access to current information on the mine closure process.	<ul style="list-style-type: none"> <li>Alcoa has a community engagement process in place. For example, on 13 July 2015 Alcoa held a Community Consultation Network (open to all the public) which was attended by 50 persons. Alcoa provided an update on a number of issues, including shut down milestones, future fire risk management, water issues and the future closure process. The CCN meetings are generally held on a quarterly basis and the next meeting is scheduled for 10 August 2015.</li> </ul>	<ul style="list-style-type: none"> <li>Complete</li> </ul>	Complete	Complete
221 (page 32)	Rod Incoll Report dated 21 July 2015	To enhance the Company's reputation in the community a public information strategy should be drawn up and implemented.	<ul style="list-style-type: none"> <li>Refer to item 220 above.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 220 above.</li> </ul>		
222 (page 32)	Rod Incoll Report dated 21 July 2015	The issue of statutory responsibility for fire protection of the site following the withdrawal of the Company needs to be resolved.	<ul style="list-style-type: none"> <li>Alcoa expects the current roles and responsibilities will remain unchanged for foreseeable future.</li> </ul>			No change
223 (page 32)	Rod Incoll Report dated 21 July 2015	Clarification of statutory responsibility for fire protection needs to be included in the final rehabilitation plan.	<ul style="list-style-type: none"> <li>Refer to item 222 above.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to item 222 above.</li> </ul>		
22.2 (page 7)	Robert Lindsay Barry (CFA)	In relation to Alcoa maintaining a 60,000 litre water cart (with truck), an excavator and a bulldozer on site, operators will need to be called in order to make use of these resources in the event of a fire as there will be no operators on site.	<ul style="list-style-type: none"> <li>Alcoa is currently undertaking a process to identify and engage adequately trained contractor personnel to operate this equipment. Alcoa has an existing arrangement with a contractor who is currently assisting with the coal covering project. Alcoa is also examining other potential resources to perform this task. These arrangements will be in place before 28 August 2015.</li> </ul>	<ul style="list-style-type: none"> <li>Establish contracting strategy and resources for retained equipment.</li> </ul>	28/08/2015	Complete

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22.3 (page 7)	Robert Lindsay Barry (CFA)	In relation to maintaining fire water dam and Ash Pond 2 for an adequate supply of on-site firefighting water, there are two limitations which are the subject of ongoing discussion: <ul style="list-style-type: none"> <li>• A millcock or hydrant will need to be installed at the standpipe (necessary to assist CFA appliances to re-fill water supplies).</li> <li>• The connection from the town water supply will have one hydrant point from a 100mmm supply pipe with limited pressure. It has been proposed that Alcoa install a diesel pump at Ash Pond 2 to assist in making use of the available water supplies.</li> </ul>	<ul style="list-style-type: none"> <li>• Alcoa has always utilised the 3 thread CFA hose cock specification on all of the fire service ring main outlets, inclusive of appropriate hose fittings located near the outlets. DELWP and Parks Victoria carry adaptors to fit the 3 thread CFA hose cocks.</li> <li>• As part of PIP update (meeting scheduled for 3/8/15) Alcoa and the CFA will complete their review of proposed water source access points and ensure compatible fittings are installed.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure compatible fittings installed.</li> </ul>	• 17/8/15	• Complete
52 (page 11)	Ross Gregor McGowan (DEDJTR)	Given that the current endorsed rehabilitation plan requires consideration of ongoing fire risk management, the final rehabilitation plan will similarly be required to address ongoing fire risk management at the rehabilitated mine site.	<ul style="list-style-type: none"> <li>• Alcoa expects this issue to be a consideration in the formulation of the final closure and rehabilitation plan.</li> </ul>			• No change
63 (page 12)	Ross Gregor McGowan (DEDJTR)	During this preparation stage [of the final closure plan] Alcoa would also be in regular consultation with Local, State and Commonwealth authorities with relevant expertise in, or whose endorsement would be required, in order to close the Anglesea coal mine.	<ul style="list-style-type: none"> <li>• Alcoa expects this issue to be a consideration in the formulation of the final closure and rehabilitation plan.</li> </ul>			• No change
64 (page 12)	Ross Gregor McGowan (DEDJTR)	After the mine closure plan is completed it will be submitted to the ERR Branch as a work plan variation for approval. If and when it is approved, final rehabilitation of the Anglesea coal mine will be able to begin in accordance with the approved work plan variation.	<ul style="list-style-type: none"> <li>• Alcoa expects this issue to be a consideration in the formulation of the final closure and rehabilitation plan.</li> </ul>			• No change