



Alinta Cogeneration (Pinjarra) Pty Ltd

Post ERA Operational Audit and Asset Management System Review

Action Plan

2013

Table 1 – Status of Previous Action Plan

Rec. No.	Ref	Recommendation	Previous Audit Action Plan	Status	Revised action plan (if applicable)
Existing Actions Status from Last Operational Audit and AMS Review					
1/10		<p>Asset Planning</p> <p><i>1 (h) Plans are regularly reviewed and updated</i></p> <p>Alinta finalise and formally approve the Pinjarra Power Station Asset Life Plan</p>	<p>Alinta finalise and formally approve the Pinjarra Cogeneration Plant Asset Life Plan.</p> <p>Responsible Person: Manager Operations</p> <p>Target Date: March 2011</p>	<p>Completed</p> <p>Alinta has finalised the latest revision of the Pinjarra Power Station Asset Life Plan. This is now replaced by the SAMP.</p>	N/A
2/10		<p>Asset disposal</p> <p><i>3(c) Disposal alternatives are evaluated</i></p> <p>Alinta should:</p> <ul style="list-style-type: none"> Finalise the development of the closure plan and associated costs for Pinjarra generation facilities Develop and formally implement a Decommission Protocol specifically tailored to its generation assets 	<p>Alinta will:</p> <ul style="list-style-type: none"> Finalise the development of the closure plan and associated costs for Pinjarra generation facilities Develop and formally implement a Decommission Protocol specifically tailored to its generation assets <p>Responsible Person: Manager Operations</p> <p>Target Date: June 2011</p>	<p>Completed</p> <p>Alinta has completed the plant closure cost study with the closure plan developed and issued.</p> <p>Alinta has developed and issued the Plant Decommissioning Policy.</p>	N/A

Rec. No.	Ref	Recommendation	Previous Audit Action Plan	Status	Revised action plan (if applicable)
3/10		<p>Review of the AMS</p> <p><i>12(b) Independent reviews (e.g. internal audit) are performed of the asset management system</i></p> <p>Alinta should:</p> <ul style="list-style-type: none"> Schedule an independent review of the asset management system Update the Pinjarra Cogeneration Asset Life Plan to reflect the requirement for an independent review to be conducted. 	<p>Alinta will:</p> <ul style="list-style-type: none"> Schedule an independent review of the asset management system Update the Pinjarra Power Station Asset Life Plan to reflect the requirement for an independent review to be conducted. <p>Responsible Person: Manager Operations</p> <p>Target Date: June 2011</p>	<p>In progress.</p> <p>Refer to issue 3/13 in this report.</p>	<p>Refer to issue 3/13 in this report.</p> <p>Responsible Person Alinta Energy Engineering Manager</p> <p>Target Date March 2014</p>
1/08		<p>Asset Operations and Asset Maintenance – Pinjarra</p> <p>The 2008 review report detailed an action plan for Alinta to monitor Alcoa’s integration of the Pinjarra cogeneration units into Alcoa’s operations and maintenance systems.</p>	<p>Alinta will work with Alcoa to close out the remaining OEM drawings for Unit 2, which require incorporation into Alcoa’s maintenance drawing system.</p> <p>Responsible Person: Manager Operations</p> <p>Target Date: June 2011</p>	<p>In progress.</p>	<p>Alinta will continue to work with Alcoa to close out the remaining OEM drawings for Unit 2, which require incorporation into Alcoa’s maintenance drawing system.</p> <p>Responsible Person: Alinta Energy Engineering Manager</p> <p>Target Date: June 2014</p>
2/08		<p>Asset Operations and Asset Maintenance – Pinjarra</p> <p>The 2008 review report detailed an action plan for Alinta to prioritise and accordingly action outstanding punch list items identified in the Pinjarra Cogeneration July 2008 Monthly report (or the most current, equivalent report).</p>	<p>Alinta will work with Alcoa to action the remaining punch list items as part of the 2011 Unit 1 Major Outage.</p> <p>Responsible Person: Manager Operations</p> <p>Target Date: August 2011</p>	<p>Completed</p> <p>All punch list items have been cleared.</p>	<p>N/A</p>

Rec. No.	Ref	Recommendation	Previous Audit Action Plan	Status	Revised action plan (if applicable)
4/08		<p>General Issue - Asset Management Strategies – Generation Assets</p> <p>The 2008 review report detailed an action plan for Alinta to work with Alcoa to update the Asset Strategy documents to incorporate the 12 asset management cycle processes.</p>	<p>Alinta will continue to liaise with Alcoa to finalise the Asset Life Cycle Management Plan.</p> <p>Responsible Person: Manager Operations</p> <p>Target Date: March 2011</p>	<p>Completed</p> <p>The Asset Life Cycle Management Plan was finalised and now replaced with the SAMP.</p>	N/A
6/08		<p>Asset creation/acquisition 2(e) Ongoing legal/ environmental/safety obligations of the asset owner are assigned and understood</p> <p>The 2008 review report detailed an action plan for Alinta to establish and maintain a full record and understanding of its legal requirements as an electricity generation and transmission asset owner.</p>	<p>Alinta is completing this action in the following phases:</p> <p>(i) Review of applicable legislation and identification of a list of key obligations. This phase is complete.</p> <p>(ii) Development of tools and completion of a gap analysis. A compliance manual for Pinjarra has been developed and is currently in its third draft. The HSSE Manager is working with Alcoa to finalise the manual</p> <p>(iii) Complete necessary corrective actions.</p> <p>Alinta will convert the gap analysis into a scheduled action plan.</p> <p>Responsible Person: HSSE Manager</p> <p>Target Date: June 2011</p>	<p>(i) Completed</p> <p>They have completed the review.</p> <p>(ii) In progress - Compliance manual is drafted</p> <p>(iii) In progress</p>	<p>Alinta will convert the gap analysis into a scheduled action plan.</p> <p>Responsible Person: HSSE Manager</p> <p>Target Date: January 2014</p>
7/08		<p>Environmental Analysis 4(c) Compliance with statutory and regulatory requirements</p> <p>The 2008 review report detailed an</p>	<p>Alinta will:</p> <p>(a) Install (with Alcoa's assistance) the analyser on unit 1 and perform</p>	<p>a) Completed</p> <p>Start-up vent silencer noise results analysis has been</p>	<p>Alinta will:</p> <p>a) Install (with Alcoa's assistance) the analyser on unit 2.</p>

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		<p>action plan for Alinta to investigate, understand and comply with the statutory and regulatory noise level requirements for the Pinjarra cogeneration plant.</p>	<p>appropriate testing. If successful, install on Unit 2</p> <p>(b) Undertake the Revised Action Plan for 6/08.</p> <p>Responsible Person: Manager Operations</p> <p>Target Date: June 2011</p>	<p>completed.</p> <p>b) Completed</p>	<p>Responsible Person: Alinta Energy Engineering Manager</p> <p>Target Date: June 2014</p>

Table 2 - New Actions

Ref	Key Processes	Issue	Recommendation	Post-Audit Action Plan	Person Responsible/ Date of Implementation
New Actions					
1/13	Asset Planning	Alinta has established a new plan called Pinjarra Power Station – Strategic Asset Management Plan (SAMP). This plan is still in draft and is replacing the previous Asset Life Plan. The SAMP has not been approved and presently is established as an uncontrolled copy without dissemination of information to the other personnel.	The Pinjarra Power Station SAMP need to be approved and disseminated. A reporting system is to be established to measure and monitor actual against the plans.	Alinta will complete the approval process of the Pinjarra Power Station SAMP and implement accordingly. <i>Auditor Comment:</i> <i>(Unverified confirmation of completion of this action was provided after the close of this audit. Outstanding ACTION is verification only)</i>	Alinta Energy Engineering Manager / January 2014
2/13	Environmental Analysis	Alinta utilise a Compliance Manual that appears to have minor errors. The manual has been reviewed but does not appear to have been finalised for distribution and compliance.	The compliance manual needs to be audited for accuracy, approved and issued for compliance and monitoring.	Alinta to finalise and formally approve the Compliance Manual with monitoring facility in place.	Alinta Energy Manager Generation Operations WA / November 2013
3/13	Review of AMS	There is no independent review of the Asset Management System which Alinta referred to as <i>Pinjarra Power Station SAMP</i> . This was recommended in the previous audit issue 3/10.	The Licensee should ensure that an independent review/audit is conducted of the Asset Management System. This should be reflected in the Pinjarra Power Station SAMP as a documented requirement.	Alinta to schedule an independent review/audit of the AMS. Alinta to update audit/review process in the <i>Pinjarra Power Station SAMP</i> . <i>Auditor comment:</i> <i>(Unverified confirmation that previous independent audit of the SAMP was carried out FY2012 and is rescheduled for FY2014 was provided after the close of this audit. Outstanding ACTION is verification only).</i>	Alinta Energy Engineering Manager / March 2014