

2020 Performance Audit & Asset Management System Review – ETL6

KARARA POWER PTY LTD

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GLOSSARY

Abbreviation	Description				
AGAAP	Australian Generally Accepted Accounting Principles				
AMP	sset Management Plan				
AMS	set Management System				
AMSC	nerican Superconductor				
ASA	uditing Standard				
ASAE	Auditing and Assurance Standards Board				
CA	Contract agreement				
DMIRS	Department of Mines Industry Regulation & Safety				
DMS	Document Management System				
EHV	Extra high voltage, typically > 200kV				
ERA	Economic Regulation Authority				
ETAC	Electricity Transfer Access Contract				
ETL6	The transmission licence for Karara Mining Pty Ltd				
GES	Geographe Environmental Services				
INX	Workforce management software package				
KML	Karara Mine Limited				
kV	KiloVolts				
МТ	Million Tonnes				
MW	MegaWatt				
OEM	Original equipment manufacture				
SAP	an enterprise resource planning software				
SWIN	South West Integrated Network				
TST	Three Springs Terminal Yard, WPC substation				
VAr	Voltage Amps reactive, reactive power				
WP	Western Power				
WPC	Western Power Corporation				
WPN	Western Power Networks				



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1. EXECUTIVE SUMMARY

The Licensee is Karara Power Pty Ltd (Karara) and the premise is known as Karara Mine site.

Karara Mining Limited (KML) is held by Gindalbie Metals Ltd and Angang Group Investment (Australia) Pty Ltd. A change of ownership within Gindalbie occurred during the audit period and the ownership change resulted in Gindalbie being wholly owned by AnSteel. Karara operates an iron ore mine and associated infrastructure in the mid-west region of Western Australia. The operation was designed for a +30 year mine life at 30MTpa. The current production is approximately 8Mtpa. It comprises a long life magnetite deposit, multiple hematite deposits, dedicated rail infrastructure and an integrated train load-out/ship loading facility at the Geraldton port operations. The licensee has a 330kV Transmission line (106km in length) running from Three Springs to the mine site.

Asset Overview

Karara Power (Karara) holds an Electricity Transmission Licence (ETL6) issued by the Economic Regulation Authority under the Electricity Industry Act 2004. This performance audit and asset management review will be conducted in accordance with the guidelines issued by the Economic Regulation Authority (ERA) to assess Karara's level of compliance with the licence conditions.

The Licensee has a 330kV transmission line (106km in length) running from Western Power's Three Springs Terminal to Karara mine site. The Licensee purchases power in bulk from Synergy and is metered by Western Power at the network's entry point at Three Springs. There were no meters operated by the Licensee. Western Power wheels power through the second circuit on the Licensee's towers between Three Springs and Golden Grove.

The major changes that occurred in relation to the Transmission Licence during the audit period was the change in ownership and migration from Ellipse to SAP for maintenance management and operational control processes. The line has performed satisfactorily during the audit period and it was noted there were strong commercial incentives for Karara to maintain a high standard of operational performance for the transmission line.

Performance Audit & Asset Management Review Process

Karara has issued a Consultancy Brief to undertake its third Performance Audit and Asset Management System Review as required by the Economic Regulation Authority (ERA/the Authority). Karara holds a Transmission Licence (Licence Number ETL6) under the Electricity Industry Act 2004.

Sections 13 and 14 of the Electricity Industry Act 2004 require as a condition of every licence that the licensee must, not less than once in every period of 24 months (or any longer period that the Authority allows) calculated from the grant of the licence, provide the Authority with a performance audit and an asset management system review report by an independent expert acceptable to the Authority. Geographe Environmental Services has been approved by the Authority (Ref: D215811 Date: 30/6/20) to undertake the works subject to the approval of an audit plan by the ERA.

The period for the audit and review is 1st July 2016 to 30th June 2020 and the report is due to be submitted to the Authority on or before 30th October 2020. An extension was granted by the ERA to allow for



unscheduled delays and internal review delayed due to management COVID quarantine requirements in return from China.

Auditor Opinion

Through the execution of the Audit Plan, field work, assessment and testing of the control environment, the information system, control procedures and compliance attitude, the audit team members have gained reasonable assurance that Karara Mine Limited does not have an effective asset management system and has not complied with its Transmission Licence.

Specifically in relation to its;

- Control environment the licensee lacks a defined management philosophy and operational
 execution towards compliance with the Transmission Lines legal and contractual obligations,
 assignment of authority and responsibilities was not well demonstrated, there has been no use
 of internal audit to monitor compliance or review processes for adequacy, the use of information
 technology has not been demonstrated, particularly with respect to SAP and the skills and
 experience of the relevant staff members were deficient in achieving compliance.
- Information system the licensee has information systems established on site for the mine
 operation to record the information needed to comply with the licence, accuracy of data, security
 of data and documentation describing the information system. However, application of these
 systems in respect to the transmission line was not evident. SAP has not been used to manage
 the transmission line.
- Control procedures the systems and procedures to monitor compliance with the licence or the effectiveness of the licensee's asset management system, were largely obsolete and relate to construction phase. The majority of the documentation has no specific reference to the transmission line and has not been reviewed for suitability and currency. There have been no systems or procedures implemented to detect or prevent instances of non-compliance or underperformance.
- Compliance attitude the licensee has not implemented the 2016 post audit action plan and has not taken response to the previous two audit or review recommendations, and the licensee's attitude towards compliance has not been reflected in actions undertaken during the audit period. It was noted once fully aware of the non-compliances of the audit and review, Senior Management have conveyed their expectation of compliance and committed to the provision of resources to rectify issues identified. However, not all requests for information to support statements made to the Audit Team were provided, in particular provision of lease payments or land access arrangements for the transmission line corridor.
- Outcome compliance the Licensee has consistently performed poorly against standards prescribed in the licence throughout the audit and review period.



The Audit Team has considered the obligations of the Transmission Licence (ETL6), the Audit & Review Guidelines and the requirements of ISO AS 55001:2014 in relation to Asset Management Systems in the preparation of this audit and review report. The significant areas of concern include;

- An Asset Management System has not been defined and strategic asset management plans have not been established.
- The leadership awareness to compliance obligations associated with ETL6 and the compliance culture, with respect to internal policies and procedures, appears to be a significant obstacle to the effectiveness of any corrective actions previously made. Specifically, Senior Management do not critically review the compliance performance and this was demonstrated through compliance reporting omissions of non-compliances in the Annual Compliance Reports. Compliance was routinely a retrospective function and was unsystematic as largely reliant on the tacit knowledge of employees or prompted by communication from the Authority.
- Risk assessment has not been undertaken on the Transmission line and was not used as the
 basis of establishing plans to address risks and opportunities of the asset management system.
 There was not a clear link between the risks of the transmission line and the objectives and plans
 of the organisation.
- The use of procedures and storage of records was not well executed by the organisation. The
 organisation lacks definitive structure to document management and needs to further develop
 policies, strategies, plans, procedures and forms to support the business function and embed
 operational controls.
- Resourcing was of a concern and training in respect to the obligations of the Transmission Licence was not evident.
- Communication processes were not well defined with respect to the obligations, monitoring and
 decisions in relation to the Transmission Line. SAP has not been effectively implemented as an
 asset management tool. Further, the quality of records maintained severely limits the
 effectiveness of the asset management information system.
- Internal review processes were not established and there has been limited monitoring and internal audit undertaken. There was a definitive lack of critical review and the development of specific actions to mitigate the risks of the transmission line.
- Additionally, there was a disconnect between the operational and the financial objectives of the
 organisation and this was evident in the Asset register and the use SAP. The management of



the Transmission line was secondary to mine performance yet without an effective transmission line the mine cannot operate.

It is the auditors' opinion that compliance and integrity of reporting by the Licensee is considered not well managed and details of the findings are comprehensively detailed in Appendix 1.

It is the auditors' opinion that the organisation has not established an effective asset management systems and details of the findings are comprehensively defined in Appendix 2.

During the audit and review process there were a number of inconsistencies noted by the Audit Team with the findings and observations of the previous audit and review report (i.e. audit & review period 1st July 2013 to 30th June 2016). Primarily, the inconsistencies were in relation to failure to establish an asset management system and develop and implement an asset management plan. In order facilitate identification of these inconsistencies, the Auditors have compared the findings of the previous audit and review report with the current audit and review report findings (refer Appendix 1 & 2).



Assistance Provided by the Licensee

It is confirmed that the licensee facilitated the audit and review process by providing the audit team;

- Access to the facilities and business premises identified in the audit and review plan.
- Access to materials and information sources (with the exception of land lease payments see ref 107) that the auditors needed to conduct the audit or review, including data, reports, records and any other relevant information that were available. Although, timely delivery of documents was not forthcoming due a lack of understanding of licence obligations and difficulty in locating documentation.
- Access to the relevant personnel at each of the Karara Mine Limited sites that were audited.
- An introduction to persons, other than employees of the licensee, who were relevant to the audit and review, such as Western Power representatives.

Performance Audit and Asset Management Review Objectives

The Asset Management System Review and the Performance Audit have been conducted in order to assess the effectiveness of the Karara Mine Limited's Asset Management Systems and level of compliance with the conditions of its Electricity Transmission Licence ETL6.

Recommendations made within this report align with the requirements of the 2019 Audit and Review Guidelines – Electricity and Gas Licences and the ISO 55001 Asset Management series. The recommendations are aimed at meeting standard/guideline requirements, compliance with ETL6 and relevant contract documentation and as such establishing procedures and processes needed for an effective asset management system and licence compliance. Aspects addressed include;

- Understanding the context of the organisation, including stakeholders and the scope of AMS
- Strengthening leadership and commitment, including policy development and the definition of roles, responsibilities and authorities
- Planning for actions to address risks and establishing objectives to achieve them
- Building support with respect to resources, competence and awareness, communication, information systems and documentation
- Operational planning and control, management of change and outsourcing of key tasks
- Performance evaluation by strengthening monitoring, measurement, analysis and evaluation. As well as building processes for internal audit and management review
- Driving improvement through non-conformity or risk assessment and preventative action and continual improvement.



The site audit was conducted on the 15th September 2020 and a visit to the Perth Office, (although not defined in the Audit Plan), to meet with the senior management team, was under taken on the 18th of September 2020 to discuss significant inconsistencies of evidence apparent during the site audit. This audit report is an accurate representation of the audit team's findings and opinions.

Variation to Audit Plan

The Audit Plan was not formally varied during the audit and review. Liaison with the Authority was undertaken and a review of the Audit and Review Priority ratings was completed. Justification for any changes made to the Priority Ratings in the Audit Plan are detailed within Appendix 1 and 2.

Additionally, the Asset Management Review was detailed in the Audit Plan as being undertaken with a limited assurance engagement. Due to the inconsistencies between the 2016 and the current audit and review report, the Review was undertaken as reasonable assurance engagement.



1.1 Performance Audit Summary of Findings

A significant proportion of the licence obligations reviewed were found to be non-compliant during the audit (refer Table 1 & 2). During the audit period, the organisation has not established processes and provided resources to ensure compliance requirements were met.

Table 1 Compliance and Controls Ratings Summary Table

		Complian	ce Rating				
		1	2	3	4	N/R	TOTAL
	А	4	-	-	-	-	4
ing	В	-	-	-	-	-	0
Rating	С	-	2	2	-	1	5
	D	-	-	6	-	-	6
Controls	N/P	-	-	-	-	10	10
Cor	TOTAL	4	3	8	-	10	25

1.2 Performance Audit Excluded Conditions

There were some reporting obligations for ETL6 that have been excluded from the audit because they were not applicable to Karara Mine Limited. There were no Type 1 reporting requirements applicable to ETL6. Excluded compliance obligations were detailed in the Audit Plan.

The performance audit was conducted in a period over July to October involving one visit to site and one visit to Perth office. The audit required 225 hours of Nicole Davies time.

The Transmission Licence compliance elements that were included in the scope of this audit and as defined in Table 2, are further detailed in Appendix 1.



Table 2 Performance Audit Compliance Summary

Compliance Obligation	Licence Reference	Original	iginal Adequacy of Controls Rating Compliance Rating →									
Reference No.		Revised Audit Priority	A	В	С	D	NP	1	2	3	4	NR
SECTION 8: TY	PE 1 REPORTING REQUIREMENTS				1	1			<u> </u>	_	<u> </u>	
THERE WERE	NO TYPE 1 REPORTING REQUIREMENTS A	PPLICABLE T	TO ETL6	6								
SECTION 12: E	LECTRICITY INDUSTRY ACT - LICENCE COI	NDITIONS AI	ND OBLI	GATION	IS							
101	Electricity Industry Act section 13(1)	5→3				D				3		
	Transmission Licence, condition 5.3.1											
102	Electricity Industry Act section 14(1)(a)	5→1				D				3		
	Transmission Licence, condition 5.1.1											
103	Electricity Industry Act section 14(1)(b)	4→1				D				3		
	Transmission Licence, condition 5.1.2 and											
	5.1.3											
104	Electricity Industry Act section 14(1)(c)	5→3				D				3		
	Transmission Licence, condition 5.1.4											
105	Electricity Industry Act section 17(1)	3→1				D				3		
	Transmission Licence, condition 4.2.1											
106	Electricity Industry Act section 31(3)	5→3				D				3		
407	Transmission Licence, condition 4.1.1	4.50										ND
107	Electricity Industry Act section 41(6)	4→3			С							NR
SECTION 13: F	Transmission Licence, condition 4.1.1 LECTRICITY LICENCES - LICENCE CONDIT	IONS AND C	BI IGAT	IONS								
119	Electricity Industry Act section 11	4→4	Α					1				
	Transmission Licence, condition 4.3.1											
121	Electricity Industry Act section 11	4→3			С				2			
	Transmission Licence, condition 5.3.2											
122	Electricity Industry Act section 11	4 → 3			С				2			
	Transmission Licence, condition 5.1.5											
123	Electricity Industry Act section 11	4→1			С					3		
	Transmission Licence, condition 4.4.1											
124	Electricity Industry Act section 11	1→1			С				2			
	Transmission Licence, condition 4.5.1											
125	Electricity Industry Act section 11	4→4					NP					NR
	Transmission Licence, condition 3.8.1											
	and 3.8.2											
126	Electricity Industry Act section 11	4→4	Α					1				
	Transmission Licence, condition 3.7.1											
SECTION 14: E	LECTRICITY INDUSTRY METERING CODE -	LICENCE C	ONDITIO	ONS ANI	D OBLI	IGATIO	DNS					
371	Electricity Industry Metering Code Cl	5→5					NP					NR
	4.4(1)											
	Transmission Licence, condition 4.1.1											
	11, 11, 11, 11, 11, 11, 11, 11, 11, 11,											



372	Electricity Industry Metering Code Cl	5→5			NP			NR
	Transmission Licence, condition 4.1.1							
451	Electricity Industry Metering Code CI	5→5	Α			1		
	7.2(1)							
	Transmission Licence, condition 4.1.1							
452	Electricity Industry Metering Code CI	4→4	Α			1		
	7.2(2)							
	Transmission Licence, condition 4.1.1							
455	Electricity Industry Metering Code CI 7.5	4→4			NP			NR
	Transmission Licence, condition 4.1.1							
456	Electricity Industry Metering Code CI	4→4			NP			NR
	7.6(1)							
	Transmission Licence, condition 4.1.1							
457	Electricity Industry Metering Code CI	5 → 5			NP			NR
	8.1(1)							
	Transmission Licence, condition 4.1.1							
458	Electricity Industry Metering Code CI	5→5			NP			NR
	8.1(2)							
	Transmission Licence, condition 4.1.1							
459	Electricity Industry Metering Code CI	5 → 5			NP			NR
	8.1(3)							
	Transmission Licence, condition 4.1.1							
460	Electricity Industry Metering Code CI	4→4			NP			NR
	8.1(4)							
	Transmission Licence, condition 4.1.1							
461	Electricity Industry Metering Code CI	5→5			NP			NR
	8.3(2)							
	Transmission Licence, condition 4.1.1							

NOTE: The audit priority was reviewed during the audit due the inconsistencies with the previous audit and review report (refer Appendix 1).



1.3 Asset Management System Review Summary

The licence, ETL6, covers the 330kV transmission line but not the substation and line circuit breakers at either end of the transmission line. The Three Springs Terminal is owned and operated by Western Power with the Karara line circuit breakers owned, but not operated, by Karara Power. The substation at Karara is owned and operated by Karara Power with protection intertripping of the 330kV line circuit breakers by Western Power. The transmission line is operated by Western Power, with Karara responsible for maintenance and the quality of supply requirements resulting from Karara's operations including the switching of the 330kV circuit breaker at Karara.

In general, well-designed extra high voltage, EHV, transmission lines are physically very reliable and require little ongoing capital expenditure and maintenance after the initial high capital investment during construction.

The quality of supply is dependent on initial design and external factors, in particular the reactive power (VAr) compensation system that is part of the 330kV substation at Karara, and other loads on the SWIN system. For this reason we have inquired about the performance and reliability of the American Superconductors (AMSC), VAr compensation scheme that consists of switched capacitors, reactors and filters for longer term changes in load conditions and dynamic VAr compensator that responds in real time. Since installation and fine tuning the voltage regulation and VAr control has met the requirements.

The asset management system was found to be deficient in many areas.

The transmission line was often not considered in policies, procedures, processes and documentation, which were more focused on mine operations. A well-designed transmission line requires little ongoing maintenance and thus can be easily forgotten but security of supply is vital to operations.

The organisation did not have a formalised asset management system, AMS, and no asset management plan, AMP, was presented. Limited documentation supporting the elements of an AMP, most of which were on the Karara portal were available for review. There were some policies in place but frequently these had not been reviewed or updated and were often established during the construction phase. Other aspects relating to asset management were absent and many actions were undocumented, such as condition monitoring, inspections, maintenance and review.

Actions required to be undertaken for the operation and maintenance of the Transmission line (i.e. condition monitoring, reporting, etc) responsibilities and procedures were not always understood or implemented by staff and there was a clear need for additional education and training.



Record keeping of performance and reliability was not easily accessible nor reported to management; possibly because of the high reliability experienced of the Transmission line to date. As such, the focus of the organisation appears to have been on mine production.

Risk analysis has not been significantly applied to the transmission line despite its criticality to Karara's core business. Contingency risks were not formally documented, nor justification for not implementing inspection report recommendations on defect maintenance, which could expose Karara to excessive risk. The process for documenting critical decisions was not well defined.

As required by section 5.1.6.2 of the Audit & Review Guidelines (March 2019) Table 4 summarises the auditor's assessment of both the process and policy definition rating and the performance rating (refer Table 3) for each key process in the licensee's asset management system, using the scales described in Table 9 and Table 10 (refer Section 3.3, Methodology for Asset Management Review).

Table 3 Rating Scale Reviews - Process & Policy and Performance

Process	Process And Policy Rating Scale		ance Rating Scale
Rating	Description	Rating	Description
Α	Adequately defined	1	Performing effectively
В	Requires some improvement	2	Improvement required
С	Requires substantial improvement	3	Corrective action required
D	Inadequate	4	Serious action required
NR	Not rated	NR	Not rated

Note: NR - Not Applicable during audit period.

An Audit Plan was prepared based on public domain documentation; none being provided by Karara apart from verbal descriptions. During the site visit it became obvious that the Audit Plan Review Priorities ratings had to be revised to raise the review priorities and the changes are documented in Table 16, Appendix 2.

The fieldwork was executed as a "reasonable assurance engagement" rather than the "limited assurance engagement" due to the asset management system deficiencies and inconsistency with the 2016 audit and review report. The auditors consulted with the ERA to ensure appropriate processes were undertaken for the review.

The process and policy and asset management system adequacy ratings are summarised below;



Table 4 Asset Management System: Effectiveness Summary

Asset Management System	Process & Policy Rating	Performance Rating
1. Asset planning	D	4
1.1 Asset management plan covers the processes in this table	D	4
1.2 Planning processes and objectives reflect the needs of all stakeholders and	С	4
are integrated with business planning		
1.3 Service levels are defined in the asset management plan	D	3
1.4 Non-asset options (e.g. demand management) are considered	NR	NR
1.5 Lifecycle costs of owning and operating assets are assessed	С	3
1.6 Funding options are evaluated	NR	NR
1.7 Costs are justified and cost drivers identified	С	NR
1.8 Likelihood and consequences of asset failure are predicted	D	4
1.9 Asset management plan is regularly reviewed and updated	D	NR
2. Asset creation and acquisition	С	3
2.1 Full project evaluations are undertaken for new assets, including comparative	NR	NR
assessment of non- asset options		
2.2 Evaluations include all life-cycle costs	NR	NR
2.3 Projects reflect sound engineering and business decisions	NR	NR
2.4 Commissioning tests are documented and completed	NR	NR
2.5 Ongoing legal / environmental / safety obligations of the asset owner are	С	3
assigned and understood		
3. Asset disposal	D	4
3.1 Under-utilised and under-performing assets are identified as part of a regular	D	4
systematic review process		
3.2 The reasons for under-utilisation or poor performance are critically examined	С	NR
and corrective action or disposal undertaken		
3.3 Disposal alternatives are evaluated	D	NR
3.4 There is a replacement strategy for assets	D	NR
4. Environmental analysis	D	4
4.1 Opportunities and threats in the asset management system environment are	D	4
assessed		
4.2 Performance standards (availability of service	В	3
Capacity, continuity, emergency response, etc.) are measured and achieved		
4.3 Compliance with statutory and regulatory requirements	С	3
4.4 Service standard (customer service levels etc) are measured and achieved.	С	3
5. Asset operations	C	4
5.1 Operational policies and procedures are documented and linked to service	С	3
levels required		
5.2 Risk management is applied to prioritise operations tasks	С	3
5.3 Assets are documented in an asset register including asset type, location,	С	4
material, plans of components and an assessment of assets' physical/structural		
condition		
5.4 Accounting data is documented for assets	С	2



Asset Management System	Process & Policy Rating	Performance Rating
5.5 Operational costs are measured and monitored	С	4
5.6 Staff resources are adequate and staff receive training commensurate with	D	4
their responsibilities.		
6. Asset maintenance	С	3
6.1 Maintenance policies and procedures are documented and linked to service	D	3
levels required		
6.2 Regular inspections are undertaken of asset performance and condition	D	4
6.3 Maintenance plans (emergency, corrective and preventative) are documented	С	3
and completed on schedule		
6.4 Failures are analysed and operational / maintenance plans adjusted where	В	3
necessary		
6.5 Risk management is applied to prioritise maintenance tasks	С	3
6.6 Maintenance costs are measured and monitored	С	3
7. Asset Management Information System	В	3
7.1 Adequate system documentation for users and IT operators	С	3
7.2 Input controls include suitable verification and validation of data entered into	В	3
the system		
7.3 Security access controls appear adequate	Α	1
such as passwords		
7.4 Physical security access controls appear adequate	A	1
7.5 Data backup procedures appear adequate and backups are tested	Α	1
7.6 Computations for licensee performance reporting are accurate	В	3
7.7 Management reports appear adequate for the licensee to monitor licence	D	4
obligations		
7.8 Adequate measures to protect asset management data from unauthorised	Α	1
access or theft by persons outside the organisation		
8. Risk management	D	4
8.1 Risk management policies and procedures exist and are applied to minimise	С	3
internal and external risks		
8.2 Risks are documented in a risk register and treatment plans are implemented	D	4
and monitored		
8.3 Probability and consequences of asset failure are regularly assessed	D	4
9. Contingency planning	С	4
9.1 Contingency plans are documented understood and tested to confirm their operability and to cover higher	С	4
10. Financial planning	D	4
10.1 The financial plan states the financial objectives and identifies strategies and	D	4
actions to achieve those		
10.2 The financial plan identifies the source of funds for capital expenditure and	D	NR
recurrent costs		
10.3 The financial plan provides projections of operating statements (profit and	D	NR
loss) and statement of financial position (balance sheets)		



Asset Management System	Process & Policy Rating	Performance Rating
10.4 The financial plan provides firm predictions on income for the next five years	NR	NR
and reasonable predictions beyond this period		
10.5 The financial plan provides for the operations and maintenance,	D	NR
administration and capital expenditure requirements of the services		
10.6 Large variances in actual/budget income and expenses are identified and	NR	NR
corrective action taken where necessary		
11. Capital expenditure planning	D	NR
11.1 There is a capital expenditure plan covering works to be undertaken, actions	D	NR
proposed, responsibilities and dates		
11.2 The capital expenditure plan provides reasons for capital expenditure and	D	NR
timing of expenditure		
11.3 The capital expenditure plan is consistent with the asset life and condition	D	NR
identified in the asset management plan		
11.4 There is an adequate process to ensure the capital expenditure plan is	D	NR
regularly updated and implemented		
12. Review of AMS	D	4
12.1 A review process is in place to ensure the asset management plan and the	D	4
asset management system described in it remain current		
12.2 Independent reviews (e.g. internal audit) are performed of the asset	D	4
management system		

The Audit & Review Guidelines (March 2019) require that auditors who have rated the adequacy of the process and policy definition process as C or D or the asset management performance as 3 or 4 also make recommendations to address the issue(s). Specific recommendations are given in Table 16, Appendix 2 and overall recommendations are below.



2. PERFORMANCE AUDIT OBJECTIVE

The objective of the performance was to assess the effectiveness of measures taken by the Licensee to meet the conditions of its licence obligations (including licence obligations detailed in the Electricity Compliance Reporting Manual – June 2020).

2.1 Performance Audit Scope

The Performance Audit scope was as follows:

- **Process compliance** the effectiveness of systems and procedures in place throughout the audit period, including the adequacy of internal controls.
- Outcome compliance the actual performance against standards prescribed in the licence throughout the audit period.
- Output compliance the existence of the output from systems and procedures throughout the audit period (specifically, proper records which provide assurance that procedures are consistently followed and controls are maintained).
- **Integrity of reporting** the completeness and accuracy of the compliance and performance reports provided to the ERA.
- Compliance with any individual licence conditions the actual performance against the requirements imposed on the specific licensee by the ERA or specific matters raised by the ERA.

In executing the Audit Plan and in line with the Audit & Review Guidelines (March 2019) the auditors, when assessing if the licensee has complied with its licence obligations, applied a level of scrutiny that corresponds to a "reasonable assurance engagement". This has been further detailed within the audit plan (refer Paragraph 12(a)(i)(a) of ASAE 3000, June 2014).

2.2 Methodology for the Performance Audit

A risk based approach was undertaken to planning and conducting the audit (refer 2019 Audit and Review Guidelines – Electricity and Gas Licences). The risk evaluation model was based on AS ISO 31000:2018 (Risk Management –Guidelines).

Due to the inconsistencies observed with the findings of the previous audit, provision of information that called into question the reliability of the documents, circumstances that called for the need for procedures and conditions that may indicate likely misstatement, the Audit Team adopted an attitude of professional scepticism throughout the audit process.

2.3 Performance Audit Effectiveness Rating

A two-dimensional rating scale (refer Section 5.1.6.1 of the Audit Guidelines and Table 5 below) was used in the Audit report to summarise the compliance rating for each licence condition. Each obligation was rated



for both the adequacy of existing controls and the compliance with the relevant licence obligation. The methodology for the Audit has been clearly defined in the Audit Plan.

Table 5 Audit Compliant and Control Rating Scales

Perform	Performance Audit Compliance & Controls Rating Scales						
Adequad	Adequacy of Controls Rating		Compliance Rating				
Rating	Description	Rating	Description				
А	Adequate controls – no improvement needed	1	Compliant				
В	Generally adequate controls – improvement needed	2	Non-Compliant – minor impact on customers or third parties				
С	Inadequate controls – significant improvement needed	3	Non-Compliant – moderate impact on customers or third parties				
D	No controls evident	4	Non-Compliant – major impact on customers or third parties				
NP	Not Performed	NR	Not rated – Determined Not Applicable during the audit period				

A comprehensive report of the audit findings is included in Appendix 1.



2.4 Follow-Up from Previous Performance Audit Findings

This is the third audit of ETL6. The organisation has not implemented the recommendations of the previous audit and as required by Section 11.3 of the Audit Guidelines (March 2019). Table 6 below details recommendations from the previous audit, states efficiency of resolution in the current audit period and presents further action required.

The recommendations from the previous audit were reviewed and found to be largely unresolved.

Table 6 Status of Recommendations Addressing Previous Audit Non-Compliances

A Resolved during current audit period							
Recommendation Reference (no./year)	Licence Obligation Reference Number Controls and Compliance Rating	Auditors'	Recommendation	Date Resolved	Further Action Required (Yes/No/Not Applicable)		
	Legislative Obligation				Details of Further Action Required (Including Current		
	Details of Inadequate Controls and/or Non- Compliance		Recommendation Reference, if Applicable)				
	There were no previous audit recommendations that were re	esolved during the	ne current audit period				



B Unresolved at end of current audit period						
Recommendation Reference (no./year)	Licence Obligation Reference Number Controls and Compliance Rating	Auditors' Recommendation	Date Resolved	Further Action Required (Yes/No/Not Applicable)		
	Legislative Obligation Details of Inadequate Controls and/or Non-Compliance			Details of Further Action Required (Including Current Recommendation Reference, if Applicable)		
1/2016	 105 Rating: B2 Electricity Industry Act section 17(1) A Licensee must pay to the ERA the prescribed licence fee within one month after the day of grant or renewal of the licence and within one month after each anniversary of that day during the term of the licence. The 2015 fee was paid late. The ERA invoice gave the date as 12/10/2015. This appears to be date format error where 12/10/2015 appears to be taken as 10 Dec 2015 and paid on 11 Dec 2015. The 2013 and 2014 fees were paid before the anniversary date. 	Establish verification of control processes to ensure regulatory compliance issues are carried out and on time for accuracy and repeatability	Unresolved	Further Action Required – Yes. R6/2020 – Develop and maintain a Compliance Register for the Electricity Transmission Licence and contractual requirements and allocate appropriate responsibilities for compliance. R7/2020 – Ensure employees are adequately trained to understand the requirements of Electricity Transmission Licence and associated contractual documentation. Consideration could be given incorporating a review of their job descriptions and performance to ensure compliance was achieved.		
				R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting		



evidence and maintenance costs are detailed. Critical entries should be subject to third party review.

R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation.

1/2016

- 124
- Rating: C2
- Transmission Licence condition 16.1
 - A Licensee must provide the ERA, in the manner prescribed, any information the ERA requires in connection with its functions under the Electricity Industry Act.
- The Licensee has not met the reporting manual requirements. The 2013, and 2015 reports were late.
 The 2016 report was also late but outside the audit period.

Establish verification of control processes to ensure regulatory compliance issues are carried out and on time for accuracy and repeatability.

Unresolved

Further Action Required - Yes.

R6/2020 – Develop and maintain a
Compliance Register for the Electricity
Transmission Licence and contractual
requirements and allocate appropriate
responsibilities for compliance.

R7/2020 – Ensure employees are adequately trained to understand the requirements of Electricity Transmission Licence and associated contractual documentation. Consideration could be given incorporating a review of their job descriptions and performance to ensure compliance was achieved.

R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review.



R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation.



2.5 Performance Audit Deficiencies, Recommendations and Action Plans

Recommendations made within the report are detailed below and will be reviewed and included in the post audit implementation plan by the licensee to ensure compliance with requirements. Auditor Comments indicated statements made to the auditor following a review of the draft audit report. These have not been verified and will form part of the Post Audit Action Plan to be developed by the Licensee.

Table 7 Recommendations to Address Current Non-Compliances and Control Deficiencies

A Resolved during	A Resolved during the current audit period						
Recommendation	Licence Obligation Reference Number	Auditors'	Recommendation	Date	Auditors Comments		
Reference (no./year)				Resolved &	Resolved &		
(nonyout)	Controls and Compliance Rating			Action			
	Legislative Obligation			Taken by			
				the			
	Details of Inadequate Controls and/or Non-Compliance			Licensee			
	There were no guidit recommendations that were recolved d	· · · · · · · · · · · · · · · · · · ·	t and the arise d				



Recommendation Reference (no./year)	Licence Obligation Reference Number Controls and Compliance Rating Legislative Obligation Details of Inadequate Controls and/or Non-Compliance	Auditors' Recommendation	Auditors Comments
1/2020	 Rating: D3 Transmission Licence, condition 5.3.1 A licensee must provide the ERA with a performance audit conducted by an independent expert acceptable to the ERA, not less than once every 24 months. The Licensee has provided the ERA with a performance audit conducted by an independent expert acceptable to the ERA. However, the current audit and a review of the previous audit period findings clearly highlight significant inconsistencies. 	A1/2020 – Implement R1-9 of the Review Recommendations A6/2020 – Review legislative and contractual documentation and establish a compliance process and corrective action plan to ensure all obligations are understood and compliance is achieved	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
2/2020	 102 Rating: D3 Transmission Licence, condition 5.1.1 A licensee must provide for an asset management system. 	A1/2020 – Implement R1-9 of the Review Recommendations A6/2020 – Review legislative and contractual documentation and establish a compliance process and corrective action plan to ensure all obligations are understood and compliance is achieved	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.



•	The license has not formally established an asset
	management system and an asset management plan
	has not been developed or implemented.

- The appointment of a formal Document Controller to implement a formal document control process has been made.
- The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.
- Karara is in discussions with service providers to develop a complete asset management plan.

3/2020

- 103
- Rating: D3
- Transmission Licence, condition 5.1.4
 - A licensee must notify details of the asset management system and any substantial changes to it to the ERA.
- The licensee has not notified the ERA of the asset management system and any substantial changes, for example, change in maintenance platform from Ellipse to SAP.

A2/2020 – Notify the details of the Asset Management System to the ERA and establish a compliance process/change management process to ensure future compliance is achieved.

A1/2020 – Implement R1-9 of the Review Recommendations

The Licensee has indicated that after the audit occurred:

- the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
- The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.
- Karara is in discussions with service providers to develop a complete asset management plan.

4/2020

- 104
- Rating: D3
- Transmission Licence, condition 5.1.2 & 5.1.3

A1/2020 - Implement R1-9 of the Review Recommendations

A6/2020 – Review legislative and contractual documentation and establish a compliance process and corrective action plan to ensure all obligations are understood and compliance is achieved

The Licensee has indicated that after the audit occurred;

 the appointment of an Asset Compliance Manager to oversee all



0	A licensee must provide the ERA with a report by
	an independent expert about the effectiveness of
	its asset management system every 24 months,
	or such longer period as determined by the ERA.

 The Licensee has provided the ERA with an asset management review conducted by an independent expert acceptable to the ERA. However, the current audit and a review of the previous audit period findings clearly highlight significant inconsistencies. statutory compliance matters has been made.

 The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.

5/2020

- 105
- Rating: D3
- Transmission Licence, condition 4.2.1
 - A licensee must pay the prescribed licence fees to the ERA according to clauses 6, 7 and 8 of the Economic Regulation Authority (Licensing Funding) Regulations 2014.
- The Licensee has paid standing data fees outside of payment terms repeatedly during the audit period.

A1/2020 – Implement R1-9 of the Review Recommendations **A6/2020** – Review legislative and contractual documentation and establish a compliance process and corrective action plan to ensure all obligations are understood and compliance is achieved

The Licensee has indicated that after the audit occurred:

- the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
- The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.

6/2020

- 106
- Rating: D3
- Transmission Licence, condition 4.1.1
 - A licensee must take reasonable steps to minimise the extent, or duration, of any
 - interruption, suspension or restriction of the supply of electricity due to an accident, emergency, potential danger or other unavoidable cause.

A1/2020 – Implement R1-9 of the Review Recommendations **A3/2020** – Implement INX or other appropriate system to record non-standard performances and report to management to ensure compliance and performance of the transmission line.

A4/2020 -Consider carrying out a second acoustic emissions test to establish the extent of any deterioration and address any significant defects. The limitation to operations is understood as such instead of organising an outage for inspection/repair of known defects this approach could allow clearer definition of scope for a planned line outage should it be deemed necessary

The Licensee has indicated that after the audit occurred:

- The appointment of a formal Document Controller to implement a formal document control process has been made.
- The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.



	mitigation stra events associa Karara Mininq Desktop Audi recommendatio	nas not identified risks or implemented ategies for reasonably foreseeable ated with the Transmission Line. A gradual and a number of the 20/4/17 noted a number of the stress have not been actioned ocument was provided to the Audit (b)	A5/2020 – Review Karara Mining 330kV Powerline Contingency Desktop Audit 20/4/17 and implement recommendations or critically review and document findings and management action	
7/2020	 A licensee interest in land The Licensee has Team with door of taking an interest. 	Licence, condition 4.1.1 In must pay the costs of taking an and or an easement over land. In as not been able to provide the Audit numentation to verify payment of costs are erest or easement over land on which on line is located.	A6/2020 – Review legislative and contractual documentation and establish a compliance process and corrective action plan to ensure all obligations are understood and compliance is achieved.	The Licensee has indicated that payments were made to landowners in transmission line corridor, however, information to support this was not provided.
8/2020	 A licensee to comply guidelines f The Licensee h Team with doc 	Licence, condition 5.3.2 must comply, and require its auditor, with the ERA's standard audit for a performance audit. nas not been able to provide the Audit umentation in a timely manner due to anding of the licence obligations.	A1/2020 – Implement R1-9 of the Review Recommendations A6/2020 – Review legislative and contractual documentation and establish a compliance process and corrective action plan to ensure all obligations are understood and compliance is achieved	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. • The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.
9/2020	• 122 • Rating: C2		A1/2020 – Implement R1-9 of the Review Recommendations	The Licensee has indicated that after the audit occurred;



• Transmission Licence, condition 5.1.5

- A licensee must comply, and must require the licensee's expert to comply, with the relevant aspects of the ERA's standard audit guidelines for an asset management system review.
- The Licensee has not been able to provide the Audit Team with documentation in a timely manner due to lack of understanding of the asset management system requirements.

A6/2020 – Review legislative and contractual documentation and establish a compliance process and corrective action plan to ensure all obligations are understood and compliance is achieved

- the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
- The appointment of a formal Document Controller to implement a formal document control process has been made.
- The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.

10/2020

- 123
- Rating: C3
- Transmission Licence, condition 5.3.2
 - In the manner prescribed, a licensee must notify the ERA, if it is under external administration or if there is a significant change in the circumstances that the licence was granted which may affect the licensee's ability to meet its obligations.
- The Licensee has failed to notify the ERA of significant changes in the circumstances that the licence was granted which may affect the licensee's ability to meet its obligations

A1/2020 - Implement R1-9 of the Review Recommendations

A2/2020 – Notify the details of the Asset Management System to the ERA and establish a compliance process/change management process to ensure future compliance is achieved.

A6/2020 – Review legislative and contractual documentation and establish a compliance process and corrective action plan to ensure all obligations are understood and compliance is achieved

The Licensee has indicated that after the audit occurred;

 the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.

11/2020

- 124
- Rating: C2
- Transmission Licence, condition 5.3.2
 - A licensee must provide the ERA, in the manner prescribed, with any information that the ERA

A1/2020 - Implement R1-9 of the Review Recommendations

A6/2020 – Review legislative and contractual documentation and establish a compliance process and corrective action plan to ensure all obligations are understood and compliance is achieved

The Licensee has indicated that after the audit occurred;

 the appointment of an Asset Compliance Manager to oversee all



requires in connection with its functions under the Electricity Industry Act.

 The Licensee has failed to meet the reporting requirements of the ERA in connection with its functions under the Electricity Industry Act. Compliance Reports were routinely submitted after due dates and inaccurately reflected compliance. statutory compliance matters has been made.

 The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.



3. ASSET MANAGEMENT SYSTEM EFFECTIVENESS REVIEW OBJECTIVE

The objective of the review is to examine the effectiveness of the processes used by the Karara Mine Limited to deliver asset management, the information systems supporting asset management activities and the data and knowledge used to make decisions about asset management. These elements were examined from a life cycle perspective i.e. planning, construction, operation, maintenance, renewal, replacement and disposal using the guidelines developed by the Economic Regulation Authority and the ISO 55001 Asset Management standard.

3.1 AMS Review Scope

The scope of the AMS review includes an assessment of adequacy and effectiveness of the Karara Mine Limited's Asset Management System by evaluating during the audit period 1st July 2016 to 30th June 2020 the following:

- 1. Asset Planning
- 2. Asset Creation/Acquisition
- 3. Asset Disposal
- 4. Environmental Analysis
- 5. Asset Operations
- 6. Asset Maintenance
- 7. Asset Management Information System
- 8. Risk Management
- 9. Contingency Planning
- 10. Financial Planning
- 11. Capital Expenditure Planning
- 12. Review of Asset Management System

The review has been established as a requirement of the current Transmission Licence issued by the Economic Regulation Authority to Karara Mine Limited.

The asset management review follows the approved audit plan (as variation previously detailed) and uses;

- a risk based approach to auditing using the risk evaluation model set out in ISO31000:2018
- an overall effectiveness rating for an asset management process, based on a combination of the process and policy adequacy rating and the performance rating,
- the format and content of the reviewer's report; and post- review plan as described in the Guidelines.
- the Asset Management System Review has been carried out as a 'reasonable assurance engagement'.



Table 8 Interviewed Personnel during the Audit & Review

Company	Name	Designation
Karara Mine Ltd	Changjiang Zhu	CEO
Karara Mine Ltd	Chris	IT site
Karara Mine Ltd	Fred Barreto	OHS
Karara Mine Ltd	Marc Sertis	Financial Controller
Karara Mine Ltd	Min Xu	Superintendent Digital Transformation
Karara Mine Ltd	Pieter Bezuidenhout	Electrical Superintendent
Karara Mine Ltd	Scott Everard	Planning
Karara Mine Ltd	William Madzikanda	Senior Engineer HV
Karara Mine Ltd	Zak Vanden Bergh	Electrical Maintenance Superintendent
Karara Mine Ltd	Gregory Oliver	Manager Environment & Communities
Western Power	Rochelle Bosich	Western Power Contact

The key documents and other information sources are detailed in Appendix 3 and further as applied to requirements in Appendix 2. Due to the significant deficiencies of documentation (i.e. not developed, not adequate in content, not reviewed, not controlled or not able to be located) the Audit Team has assessed the documents for adequacy (refer Appendix 3). It is understood a Document Controller was appointed following the site visit and that this requirement had been identified by management irrespective of the audit and review process.

The review was conducted in conjunction with the Performance Audit during July – October 2020 and included desktop review and a two day site audit on site to execute review plan, interview sessions and report writing. Additionally, one day was spent in Perth Office to discuss with management the deficiencies identified in the audit and review process. In total the review required 150 hours of Simon Ashby's time.

3.2 Methodology for Asset Management System Review

The audit methodology detailed in the Audit and Review Guidelines – Electricity and Gas Licences (March 2019) was used in the execution of the Asset Management System Review and is detailed in the Audit Plan.

3.3 Asset Management System Effectiveness Rating

The Audit and Review Guidelines – Electricity and Gas Licences (March 2019) (section 5.1.6.2) states that the asset management review report must provide a table that summarises the auditor's assessment of both the process and policy definition rating and the performance rating for each key process in the licensee's asset management system using the scales described in Table 9 and Table 10. It is left to the judgement of the auditor to determine the most appropriate rating for each asset management process.



Table 9 Asset Management Process and Policy Definition Adequacy Ratings

Rating	Description	Criteria
A	Adequately defined	 Processes and policies are documented. Processes and policies adequately document the required performance of the assets. Processes and policies are subject to regular reviews and updated where necessary. The asset management information system(s) are adequate in relation to the assets being managed.
В	Requires some improvement	 Processes and policies require improvement. Processes and policies do not adequately document the required performance of the assets. Reviews of processes and policies are not conducted regularly enough. The asset management information system(s) requires minor improvements (taking into consideration the assets being managed).
С	Requires substantial improvement	 Processes and policies require improvement. Processes and policies do not adequately document the required performance of the assets. Reviews of processes and policies are not conducted regularly enough. The asset management information system(s) requires minor improvements (taking into consideration the assets being managed)
D	Inadequate	 Processes and policies are not documented. The asset management information system(s) is not fit for purpose (taking into consideration the assets being managed).

Table 10 Asset Management Performance Ratings

Rating	Description	Criteria
1	Performing effectively	 The performance of the process meets or exceeds the required levels of performance. Process effectiveness is regularly assessed and corrective action taken where necessary.
2	Improvement required	 The performance of the process requires some improvement to meet the required level. Process effectiveness reviews are not performed regularly enough. Recommended process improvements are not implemented
3	Corrective action required	 The performance of the process requires substantial improvement to meet the required level. Process effectiveness reviews are performed irregularly or not at all. Recommended process improvements are not implemented
4	Serious action required	 Process is not performed or the performance is so poor the process is considered to be ineffective.

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3.4 Follow-Up from Previous Review Findings

The organisation has not implemented the recommendations of the previous review where possible and as required by Section 5.1.5 of the Audit Guidelines (March 2019). Table 11 below details how all recommendations were addressed and their status in the current review period.

Table 11 Status of Recommendations addressing previous Review Non-Compliances

A Resolved during current review period						
Recommendation Reference (no./year)	Asset Management Process and Effectiveness Criterion Details of Deficiency Details of Inadequate Controls and/or Non-Compliance	Auditors' Recommendation	Date Resolved	Further Action Required (Yes/No/Not Applicable) Details of Further Action Required (Including Current Recommendation Reference, if Applicable)		
	No recommendations were resolved during the current review p	eriod.				



B Unresolved at end of current review period				
Recommendation Reference (no./year)	Rating Asset Management Process and Effectiveness Criterion	Auditors' Recommendation	Date Resolved	Further Action Required (Yes/No/Not Applicable)
	Details of Deficiency Details of Inadequate Controls and/or Non- Compliance			Details of Further Action Required (Including Current Recommendation Reference, if Applicable)
1/2016	Rating: B1 1.8 (should have been 1.9) Asset management plan is regularly reviewed and updated Review of Asset Management System	Schedule internal reviews in 2 years and formal review every 5 years for the Asset Management System.	Unresolved	R1/2020 – Formalise and implement an AMS for the transmission line. R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements. R7/2020 – Ensure employees are adequately trained to understand the requirements of Electricity Transmission Licence and associated contractual documentation. Consideration could be given incorporating a review of their job descriptions and performance to ensure compliance is achieved R8/2020 – Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability



				R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation.
2/2016	 Rating: B2 9.1 Contingency plans are documented, understood and tested to confirm their operability and to cover higher risks Contingency Plans not yet developed and tested 	Schedule tests of contingency plan	Unresolved	Further Action Required – Yes R10/2020 - Review and document contingency plans and consider risks
3/2016	Rating: B2 12.1/12.2 12.1 - A review process is in place to ensure the asset management plan and the asset management system described in it remain current 12.2 - Independent reviews (e.g. internal audit) are performed of the asset management system Schedule review of AMS	Schedule internal reviews every 2 years, starting in 2018, and formal review every 5 years, beginning in 2017, for the Asset Management System.	Unresolved	Further Action Required – Yes R1/2020 – Formalise and implement an AMS for the transmission line. R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements. R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review. R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation.



3.5 Asset Management System Deficiencies, Recommendations and Action Plans

As stipulated in section 5.3 of the Audit and Review Guidelines – Electricity and Gas Licences (March 2019), the Audit Team notes that the Asset Management Review Post Implementation Plan does not form part of the Audit Opinion. It is the responsibility of the licensee to ensure actions are undertaken as determined by Karara Mine Limited. Auditor Comments detailed in Table 12 below are based on information received from the Licensee following an audit close out and review of the draft audit report. The status or progress has not been verified by the Audit Team.

Table 12 Recommendations to Address Current Asset System Deficiencies

A Resolved during current review period						
Recommendation Reference (no./year)	Asset Management Process and Effectiveness Criterion Details of Deficiency Details of Inadequate Controls and/or Non-Compliance	Action Taken by Licensee	Date Resolved	Auditor's Comments		
	There were no recommendations from the current review that w	ere resolved during the current review period.				



Recommendation Reference	Rating	Auditors' Recommendation	Auditors Comments
(no./year)	Asset Management Process and Effectiveness Criterion		
	Details of Deficiency Details of Inadequate Controls and/or Non-Compliance		
12/2020	Rating: D4 1.1 Asset management plan covers the processes in this table The asset planning process was inadequate with respect to the Transmission Line. There was no formal AMS established. There was no documented Asset Management Plan	R1/2020 – Formalise and implement an AMS for the transmission line. R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements. R3/2020 - Review the Asset Register to include asset type, location, material, plans of components, and an assessment of assets' physical/structural condition. R4/2020 - Undertake and record a risk assessment of the transmission line. R5/2020 - Develop a risk based treatment plan to address issues identified to ensure ongoing compliance and/or accept residual risk. Operational controls should be evident in the AMS and detailed in the AMP i.e. acoustic and vegetation surveys. R6/2020 - Develop and maintain a Compliance Register for the Electricity Transmission Licence and contractual requirements and allocate appropriate responsibilities for compliance. R7/2020 - Ensure employees are adequately trained to understand the requirements of Electricity Transmission Licence and associated contractual documentation. Consideration could be given incorporating a review of their job descriptions and performance to ensure compliance was achieved.	 The Licensee has indicated that after the audit occurred; the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. Karara is in discussions with service providers to develop a complete asset management plan. The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.



R8/2020 – Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability.

R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review.

R10/2020 - Review and document contingency plans and consider risks

R11/2020 -Consider carrying out a second acoustic emissions test to establish the extent of any deterioration and address any significant defects. The limitation to operations is understood as such instead of organising an outage for inspection/repair of known defects this approach could allow clearer definition of scope for a planned line outage should it be deemed necessary

R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation.

R13/2020 – Implement INX or other appropriate system to record non-standard performances and report to management to ensure compliance and performance of the transmission line.

R14/2020 - Review upgrading SCADA system or a simpler dedicated Transmission line data acquisition system.

R15/2020 – Identify, record and document operational and maintenance costing and detail how they are monitored by Licensee.

R16/2020 - Monitor line losses and MVAr performance.

R19/2020 – Review Karara Mining 330kV Powerline Contingency Desktop Audit 20/4/17 and implement recommendations or critically review and document findings and management action



13/2020

- Rating: C4
- 1.2
 - Planning processes and objectives reflect the needs of all stakeholders and are integrated with business planning
- There have been no significant planning processes undertaken during the audit period and no new works were planned in relation to the Transmission Line.

R1/2020 – Formalise and implement an AMS for the transmission line.

R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements.

R3/2020 - Review the Asset Register to include asset type, location, material, plans of components, and an assessment of assets' physical/structural condition.

R4/2020 - Undertake and record a risk assessment of the transmission line.

R5/2020 - Develop a risk based treatment plan to address issues identified to ensure ongoing compliance and/or accept residual risk. Operational controls should be evident in the AMS and detailed in the AMP i.e. acoustic and vegetation surveys

R6/2020 – Develop and maintain a Compliance Register for the Electricity Transmission Licence and contractual requirements and allocate appropriate responsibilities for compliance.

R7/2020 – Ensure employees are adequately trained to understand the requirements of Electricity Transmission Licence and associated contractual documentation. Consideration could be given incorporating a review of their job descriptions and performance to ensure compliance was achieved.

R8/2020 – Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability.

R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure

- the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
- Karara is in discussions with service providers to develop a complete asset management plan.



records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review.

R10/2020 - Review and document contingency plans and consider risks

R15/2020 – Identify, record and document operational and maintenance costing and detail how they are monitored by Licensee.

14/2020

- Rating: D3
- 1.3
 - Service levels are defined in the Asset Management Plan
- There was no AMP developed, as such service levels have not been defined.

R1/2020 – Formalise and implement an AMS for the transmission line.

R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements.

R6/2020 – Develop and maintain a Compliance Register for the Electricity Transmission Licence and contractual requirements and allocate appropriate responsibilities for compliance.

R7/2020 – Ensure employees are adequately trained to understand the requirements of Electricity Transmission Licence and associated contractual documentation. Consideration could be given incorporating a review of their job descriptions and performance to ensure compliance was achieved.

R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation.

The Licensee has indicated that after the audit occurred:

- the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
- Karara is in discussions with service providers to develop a complete asset management plan.

15/2020

- Rating: C3
- 1.5
 - Lifecycle costs of owning and operating assets are assessed
- No life cycle costing or policy was presented apart from depreciation in the Financials Asset Register.

R1/2020 – Formalise and implement an AMS for the transmission line.

R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements.

The Licensee has indicated that after the audit occurred;

 the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.



R3/2020 - Review the Asset Register to include asset type, location, material, plans of components, and an assessment of assets' physical/structural condition.

R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review.

- Karara is in discussions with service providers to develop a complete asset management plan.
- The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.

16/2020

- Rating: CNR
- 1.7
 - Costs are justified and cost drivers identified
- The Licensee has not established clear processes to ensure costs were justified and cost drivers were identified with respect to the Transmission Line

R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements.

R4/2020 - Undertake and record a risk assessment of the transmission line.

R5/2020 - Develop a risk based treatment plan to address issues identified to ensure ongoing compliance and/or accept residual risk. Operational controls should be evident in the AMS and detailed in the AMP i.e. acoustic and vegetation surveys.

R8/2020 – Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability.

R10/2020 - Review and document contingency plans and consider risks

R11/2020 -Consider carrying out a second acoustic emissions test to establish the extent of any deterioration and address any significant defects. The limitation to operations is understood as such instead of organising an outage for inspection/repair of known defects this approach could allow clearer definition of scope for a planned line outage should it be deemed necessary

- the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
- Karara is in discussions with service providers to develop a complete asset management plan.
- The appointment of a formal Document Controller to implement a formal document control process has been made.
- The previously incomplete Contingency Plan is currently reviewed and to be approved for upload onto the Karara Portal.
- Karara is currently in negotiations to have a repeat acoustic and vegetation survey done on the 330kV line



17/2020

- Rating: D4
- 1.8
 - Likelihood and consequences of asset failure are predicted
- Likelihood and consequences of asset failure have not been evaluated. Asset failure consequences and response have not been documented and no policy was presented.

R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements.

R4/2020 - Undertake and record a risk assessment of the transmission line.

R5/2020 - Develop a risk based treatment plan to address issues identified to ensure ongoing compliance and/or accept residual risk. Operational controls should be evident in the AMS and detailed in the AMP i.e. acoustic and vegetation surveys.

R10/2020 - Review and document contingency plans and consider risks

R11/2020 - Consider carrying out a second acoustic emissions test to establish the extent of any deterioration and address any significant defects. The limitation to operations is understood as such instead of organising an outage for inspection/repair of known defects this approach could allow clearer definition of scope for a planned line outage should it be deemed necessary

R19/2020 – Review Karara Mining 330kV Powerline Contingency Desktop Audit 20/4/17 and implement recommendations or critically review and document findings and management action

The Licensee has indicated that after the audit occurred:

- the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
- Karara is in discussions with service providers to develop a complete asset management plan.
- The previously incomplete Contingency Plan is currently reviewed and to be approved for upload onto the Karara Portal.
- Karara is currently in negotiations to have a repeat acoustic and vegetation survey done on the 330kV line

18/2020

- Rating: DNR
- 1.9
 - Asset management plan is regularly reviewed and updated
- An Asset Management Plan could not be located during the audit period and Management were unaware of any such document. Even though records reflect a review, due to absence of an AMP it was unlikely that any reviews have been made

R1/2020 - Formalise and implement an AMS for the transmission line.

R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements.

R7/2020 – Ensure employees are adequately trained to understand the requirements of Electricity Transmission Licence and associated contractual documentation. Consideration could be given incorporating a review of their job descriptions and performance to ensure compliance is achieved

- the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
- Karara is in discussions with service providers to develop a complete asset management plan.



			FIY LID. J.Z.A.
		R8/2020 – Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation.	The appointment of a formal Document Controller to implement a formal document control process has been made.
19/2020	Rating: C3 2.5 Ongoing legal / environmental / safety obligations of the asset owner are assigned and understood No formalized systems established for legal obligations in relation to the Transmission Line.	R6/2020 – Develop and maintain a Compliance Register for the Electricity Transmission Licence and contractual requirements and allocate appropriate responsibilities for compliance. R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review. R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. • Karara is in discussions with service providers to develop a complete asset management plan. • The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.
20/2020	Rating: D4 3.1 Under-utilised and under-performing assets are identified as part of a regular systematic review process There was no systemic review process established for under-utilised and under performing assets. Defect reports as a result of monitoring have not been acted upon or reviewed.	R8/2020 – Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability. R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review. R17/2020 – Incorporate asset disposal plan in the AMP, ensure process established for disposal/replacement alternatives and review organisational procedures for asset	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. • Karara is in discussions with service providers to develop a complete asset management plan. • The transmission line is being reviewed at component level to be itemised in



disposal. Include costs for disposal or refurbishment in the life cycle spreadsheet.

- SAP, with assigned maintenance and inspection plans.
- The appointment of a formal Document Controller to implement a formal document control process has been made.

21/2020

- Rating: DNR
- 3.2
 - The reasons for under-utilisation or poor performance are critically examined and corrective action or disposal undertaken
- Critical examination of assets has not occurred.
 Corrective action has not been undertaken for defect reports.

R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review.

R11/2020 -Consider carrying out a second acoustic emissions test to establish the extent of any deterioration and address any significant defects. The limitation to operations is understood as such instead of organising an outage for inspection/repair of known defects this approach could allow clearer definition of scope for a planned line outage should it be deemed necessary

The Licensee has indicated that after the audit occurred:

- the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
- Karara is in discussions with service providers to develop a complete asset management plan.
- The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.
- The appointment of a formal Document Controller to implement a formal document control process has been made.
- Karara is currently in negotiations to have a repeat acoustic and vegetation survey done on the 330kV line

22/2020

- Rating: DNR
- 3.3
 - o Disposal alternatives are evaluated

R17/2020 – Incorporate asset disposal plan in the AMP, ensure process established for disposal/replacement alternatives and review organisational procedures for asset



	•	There was no AMP and no evaluation process demonstrated for disposal alternatives to be evaluated during the audit period.	disposal. Include costs for disposal or refurbishment in the life cycle spreadsheet.	 the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. Karara is in discussions with service providers to develop a complete asset management plan. The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.
23/2020	•	Rating: DNR 3.4 There is a replacement strategy for assets There no replacement strategy for assets established during the audit period. It was understood that replacement of assets was unlikely, however, asset replacement at a sub component level was feasible.	R17/2020 – Incorporate asset disposal plan in the AMP, ensure process established for disposal/replacement alternatives and review organisational procedures for asset disposal. Include costs for disposal or refurbishment in the life cycle spreadsheet.	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. • Karara is in discussions with service providers to develop a complete asset management plan. • The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans. • Karara is currently in negotiations to have a repeat acoustic and vegetation survey done on the 330kV line
24/2020	•	Rating: D4 4.1 Opportunities and threats in the asset management system environment are assessed	R4/2020 - Undertake and record a risk assessment of the transmission line. R5/2020 - Develop a risk based treatment plan to address issues identified to ensure ongoing compliance and/or	The Licensee has indicated that after the audit occurred;



	•	Opportunities and threats in the asset management system environment were not assessed in detailed or a formalized manner with regard to the Transmission Line.	accept residual risk. Operational controls should be evident in the AMS and detailed in the AMP i.e. acoustic and vegetation surveys. R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation.	 the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
25/2020	•	Asting: B3 4.2 Performance standards (availability of service, capacity, continuity, emergency response, etc.) are measured and achieved It was noted the SCADA overloaded and limited capability with reduction of data points requiring a review upgrading SCADA system or a simpler dedicated Transmission line data acquisition system.	R8/2020 – Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability. R13/2020 – Implement INX or other appropriate system to record non-standard performances and report to management to ensure compliance and performance of the transmission line. R14/2020 - Review upgrading SCADA system or a simpler dedicated Transmission line data acquisition system.	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. • The appointment of a formal Document Controller to implement a formal document control process has been made.
26/2020	•	Rating:C3 4.3 Compliance with statutory and regulatory requirements Compliance with statutory and regulatory requirements was not well demonstrated.	R6/2020 – Develop and maintain a Compliance Register for the Electricity Transmission Licence and contractual requirements and allocate appropriate responsibilities for compliance. R7/2020 – Ensure employees are adequately trained to understand the requirements of Electricity Transmission Licence and associated contractual documentation. Consideration could be given incorporating a review of their job descriptions and performance. R8/2020 – Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability. R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. • Karara is in discussions with service providers to develop a complete asset management plan. • The appointment of a formal Document Controller to implement a formal document control process has been made.



27/2020

- Rating: C3
- 4.4
 - Service standard (customer service levels etc) are measured and achieved.
- It was noted that some service standards were not achieved in relation to contractual documentation. Text

R1/2020 – Formalise and implement an AMS for the transmission line.

R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements.

R6/2020 – Develop and maintain a Compliance Register for the Electricity Transmission Licence and contractual requirements and allocate appropriate responsibilities for compliance.

R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review.

The Licensee has indicated that after the audit occurred:

- the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
- Karara is in discussions with service providers to develop a complete asset management plan.
- The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.

28/2020

- Rating: C3
- 5.1
 - Operational policies and procedures are documented and linked to service levels required Text
- Operational policies and procedures were not well documented and linked to service levels required. The majority of document supplied was deficient and/or could not be provided. Several contractual and regulatory obligations were not evident in the policies and procedures and compliance has not been achieved.

R1/2020 - Formalise and implement an AMS for the transmission line.

R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements.

R5/2020 - Develop a risk based treatment plan to address issues identified to ensure ongoing compliance and/or accept residual risk. Operational controls should be evident in the AMS and detailed in the AMP i.e. acoustic and vegetation surveys

R6/2020 – Develop and maintain a Compliance Register for the Electricity Transmission Licence and contractual requirements and allocate appropriate responsibilities for compliance.

R8/2020 – Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability

- the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
- Karara is in discussions with service providers to develop a complete asset management plan.
- The appointment of a formal Document Controller to implement a formal document control process has been made.



29/2020	 Rating: C3 5.2 Risk management is applied to prioritise operations tasks Risk management has not been applied to prioritise operational tasks. The transmission line was not included in any of the risk analysis sighted. 	R4/2020 - Undertake and record a risk assessment of the transmission line. R5/2020 - Develop a risk based treatment plan to address issues identified to ensure ongoing compliance and/or accept residual risk. R8/2020 - Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. • The appointment of a formal Document Controller to implement a formal document control process has been made.
30/2020	Rating: C4 Solution Assets are documented in an asset register including asset type, location, material, plans of components, and an assessment of assets' physical/structural condition Assets were documented in an asset register but it does not include asset type, location, material, plans of components, and an assessment of assets' physical/structural condition. The information contained in the asset register was for towers (no sub components have been included) and contains financial information only.	R3/2020 - Review the Asset Register to include asset type, location, material, plans of components, and an assessment of assets' physical/structural condition	The Licensee has indicated that after the audit occurred; • The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.
31/2020	 Rating: C2 5.4 Accounting data is documented for assets Accounting was documented for assets, however, it was based at a broad level i.e. towers and not detailed sub components 	R3/2020 - Review the Asset Register to include asset type, location, material, plans of components, and an assessment of assets' physical/structural condition.	The Licensee has indicated that after the audit occurred; • The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.
32/2020	 Rating: C4 5.5 Operational costs are measured and monitored 	R15/2020 – Identify, record and document operational and maintenance costing and detail how they are monitored by Licensee.	The Licensee has indicated that after the audit occurred;



	 No operational costs associated with the transmission line were detailed. These were incorporated into operational costs of the mine and not specifically attributed to the transmission line 	R16/2020 - Monitor line losses and MVAr performance.	 The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.
33/2020	 Rating: D4 5.6 Staff resources are adequate and staff receive training commensurate with their responsibilities Staffing levels were said to be inadequate and further training was required. 	R7/2020 – Ensure employees are adequately trained to understand the requirements of Electricity Transmission Licence and associated contractual documentation. Consideration could be given incorporating a review of their job descriptions and performance.	The Licensee has not communicated action planned as yet
34/2020	 Rating: D3 6.1 Maintenance policies and procedures are documented and linked to service levels required There were no maintenance policies and procedures documented or linked to services levels required in regard to the Transmission Line. The HV line was operated by Western Power. 	R1/2020 – Formalise and implement an AMS for the transmission line. R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements. R5/2020 - Develop a risk based treatment plan to address issues identified to ensure ongoing compliance and/or accept residual risk. Operational controls should be evident in the AMS and detailed in the AMP i.e. acoustic and vegetation surveys R6/2020 - Develop and maintain a Compliance Register for the Electricity Transmission Licence and contractual requirements and allocate appropriate responsibilities for compliance.	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. • Karara is in discussions with service providers to develop a complete asset management plan.
35/2020	 Rating: D4 6.2 Regular inspections are undertaken of asset performance and condition There were no regular inspections scheduled in SAP. During the audit period one acoustic and one vegetation survey were undertaken. 	R6/2020 – Develop and maintain a Compliance Register for the Electricity Transmission Licence and contractual requirements and allocate appropriate responsibilities for compliance. R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.



maintenance costs are detailed. Critical entries should be subject to third party review.

R11/2020 -Consider carrying out a second acoustic emissions test to establish the extent of any deterioration and address any significant defects. The limitation to operations is understood as such instead of organising an outage for inspection/repair of known defects this approach could allow clearer definition of scope for a planned line outage should it be deemed necessary

- Karara is in discussions with service providers to develop a complete asset management plan.
- The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.
- Karara is currently in negotiations to have a repeat acoustic and vegetation survey done on the 330kV line

36/2020

- Rating: C3
- 6.3
 - Maintenance plans (emergency, corrective and preventative) are documented and completed on schedule
- There were no maintenance plans associated with the Transmission Line contained within SAP.

R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review.

The Licensee has indicated that after the audit occurred:

- the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
- Karara is in discussions with service providers to develop a complete asset management plan.
- The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.

37/2020

- Rating: B3
- 6.4
 - Failures are analysed and operational/maintenance plans adjusted where necessary
- Failures appear to have been reviewed but have not been documented.

R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review.

R13/2020 – Implement INX or other appropriate system to record non-standard performances and report to

- Karara is in discussions with service providers to develop a complete asset management plan.
- The transmission line is being reviewed at component level to be itemised in



			management to ensure compliance and performance of the transmission line.	SAP, with assigned maintenance and inspection plans.
38/2020	•	Rating: C3 6.5 Risk management is applied to prioritise maintenance tasks Risk management has not been applied to the Transmission Line asset.	R4/2020 - Undertake and record a risk assessment of the transmission line. R5/2020 - Develop a risk based treatment plan to address issues identified to ensure ongoing compliance and/or accept residual risk. Operational controls should be evident in the AMS and detailed in the AMP i.e. acoustic and vegetation surveys	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
39/2020	•	Rating: C3 6.6 Maintenance costs are measured and monitored Maintenance costs were not measured and monitored and the transmission line was not itemised any financial budgets. Budgets costs incorporated in Maintenance budget for the mine.	R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review.	The Licensee has indicated that after the audit occurred; • The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.
40/2020	•	Rating: C3 7.1 Adequate system documentation for users and IT operators The system adequacy of policies and procedures covering the general control and security of the computer systems used to provide management information on compliance with service standards / licence obligations was not well defined.	R7/2020 – Ensure employees are adequately trained to understand the requirements of Electricity Transmission Licence and associated contractual documentation. Consideration could be given incorporating a review of their job descriptions and performance to ensure compliance was achieved. R8/2020 – Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability.	The Licensee has indicated that after the audit occurred; • The appointment of a formal Document Controller to implement a formal document control process has been made.
41/2020	•	Rating: B3 7.2 Input controls include suitable verification and validation of data entered into the system WPC operate the line and control it. Most data collation was automated, often by third parties, WPC, AMSC, MetroPower with cross checking in place. SAP levels of access for different data require review. KML controls on portal documentation has several levels of approval.	R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review.	The Licensee has indicated that after the audit occurred; • The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.



42/2020	 Rating: B3 7.6 Computations for licensee performance reporting are accurate The SCADA system, shared with the mine, was overloaded and number of points had to be reduced to obtain acceptable speed. Only limited line data was collated. 	R13/2020 – Implement INX or other appropriate system to record non-standard performances and report to management to ensure compliance and performance of the transmission line.	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
43/2020	 Rating: D4 7.7 Management reports appear adequate for the licensee to monitor licence obligations No management reports pertaining to the Licensee monitoring licence obligations were available. 	R6/2020 – Develop and maintain a Compliance Register for the Electricity Transmission Licence and contractual requirements and allocate appropriate responsibilities for compliance R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review. R13/2020 – Implement INX or other appropriate system to record non-standard performances and report to management to ensure compliance and performance of the transmission line.	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. • The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.
44/2020	Rating: C3 Risk management policies and procedures exist and are applied to minimise internal and external risks There were risk management policies and procedures that exist for the organisation but they have not been applied to minimise internal and external risks with regards to the Transmission Line. No risk management has been undertaken for the Transmission Line	R4/2020 - Undertake and record a risk assessment of the transmission line. R5/2020 - Develop a risk based treatment plan to address issues identified to ensure ongoing compliance and/or accept residual risk. Operational controls should be evident in the AMS and detailed in the AMP i.e. acoustic and vegetation surveys R8/2020 - Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability. R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. • The appointment of a formal Document Controller to implement a formal document control process has been made.



45/2020	 Rating: D4 8.2 Risks are documented in a risk register and treatment plans are implemented and monitored Risks were not documented in a risk register and treatment plans were not established, implemented and monitored. Risk management was adhoc and relies on the tacit knowledge of employees. The risk management documentation was not co-ordinated 	R4/2020 - Undertake and record a risk assessment of the transmission line. R5/2020 - Develop a risk based treatment plan to address issues identified to ensure ongoing compliance and/or accept residual risk. Operational controls should be evident in the AMS and detailed in the AMP i.e. acoustic and vegetation surveys. R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation.	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
46/2020	 Rating: D4 8.3 Probability and consequences of asset failure are regularly assessed Failure of transmission line was not considered. 	R4/2020 - Undertake and record a risk assessment of the transmission line. R5/2020 - Develop a risk based treatment plan to address issues identified to ensure ongoing compliance and/or accept residual risk. Operational controls should be evident in the AMS and detailed in the AMP i.e. acoustic and vegetation surveys. R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation.	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
47/2020	 Rating: C4 9.1 Contingency plans are documented, understood and tested to confirm their operability and to cover higher risks There contingency plan was incomplete and testing procedures appear inadequate. 	R10/2020 - Review and document contingency plans and consider risks R19/2020 - Review Karara Mining 330kV Powerline Contingency Desktop Audit 20/4/17 and implement recommendations or critically review and document findings and management action	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. • The previously incomplete Contingency Plan is currently reviewed and to be approved for upload onto the Karara Portal.
48/2020	Rating: D410.1	R18/2020 – Monitor the Company and Consolidated Entity's financial performance to ensure that it is a going concern.	The Licensee has not communicated action planned as yet



	•	 The financial plan states the financial objectives and identifies strategies and actions to achieve those There was no documented financial plan that specifically states objectives and identifies strategies and actions to achieve the objectives. 		
49/2020	•	Rating: DNR 10.5 The financial plan provides for the operations and maintenance, administration and capital expenditure requirements of the services The financial costs associated with the operations and maintenance, administration of the Transmission Line were incorporated into the mine operational budget. They were noted to be relatively low cost expenditures in the Licensees' operations.	R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review.	The Licensee has indicated that after the audit occurred; • The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.
50/2020	•	Rating: DNR 11.1 There is a capital expenditure plan covering works to be undertaken, actions proposed, responsibilities and dates There was no capital expenditure plan developed for the Transmission Line. No significant capital works during or forecast.	R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements.	The Licensee has indicated that after the audit occurred; • Karara is in discussions with service providers to develop a complete asset management plan.
51/2020	•	Rating: DNR 11.2 The capital expenditure plan provides reasons for capital expenditure and timing of expenditure There was no capital expenditure plan developed for the Transmission Line. No significant capital works during or forecast.	R1/2020 – Formalise and implement an AMS for the transmission line. R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements. R3/2020 - Review the Asset Register to include asset type, location, material, plans of components, and an assessment of assets' physical/structural condition.	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. • Karara is in discussions with service providers to develop a complete asset management plan. • The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.



52/2020	 Rating: DNR 11.3 The capital expenditure plan is consistent with the asset life and condition identified in the asset management plan There was no capital expenditure plan developed for the Transmission Line. No significant capital works during or forecast. Monitoring of the projection of asset life and mine life should be incorporated in the AMS. 	R1/2020 – Formalise and implement an AMS for the transmission line. R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements. R3/2020 - Review the Asset Register to include asset type, location, material, plans of components, and an assessment of assets' physical/structural condition	The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. • Karara is in discussions with service providers to develop a complete asset management plan. • The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.
53/2020	Rating: DNR 11.4 There is an adequate process to ensure the capital expenditure plan is regularly updated and implemented There was no capital expenditure plan developed for the Transmission Line. No significant capital works during or forecast. Capital expenditure processes have been established by the licensee for mine operation and would applied if required.	R1/2020 – Formalise and implement an AMS for the transmission line. R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements R8/2020 – Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability.	The Licensee has indicated that after the audit occurred; • The appointment of a formal Document Controller to implement a formal document control process has been made.
54/2020	 Rating: D4 12.1 A review process is in place to ensure the asset management plan and the asset management system described in it remain current No AMP developed as such the records of the review were misleading, ineffectual and may indicate likely misstatement. 		The Licensee has indicated that after the audit occurred; • the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made. • Karara is in discussions with service providers to develop a complete asset management plan.



maintenance costs are detailed. Critical entries should be subject to third party review.

 The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.

55/2020

- Rating: D4
- 12.2
 - Independent reviews (e.g. internal audit) are performed of the asset management system
- Text Process for Independent reviews (e.g. internal audit) of the asset management system were not established. No AMS formally established and implemented to conduct review against.

R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review.

R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation.

- the appointment of an Asset Compliance Manager to oversee all statutory compliance matters has been made.
- Karara is in discussions with service providers to develop a complete asset management plan.
- The transmission line is being reviewed at component level to be itemised in SAP, with assigned maintenance and inspection plans.



APPENDIX 1

KARARA MINE LIMITED

PERFORMANCE AUDIT

(Note: 2016 Audit Findings have been included to allow reader ease in reference to the inconsistencies noted during the current audit)



Table 13 - Summary of Audit Recommendations

Finding

A1/2020 - Implement R1-9 of the Review Recommendations

A2/2020 – Notify the details of the Asset Management System to the ERA and establish a compliance process/change management process to ensure future compliance is achieved.

A3/2020 – Implement INX or other appropriate system to record non-standard performances and report to management to ensure compliance and performance of the transmission line.

A4/2020 -Consider carrying out a second acoustic emissions test to establish the extent of any deterioration and address any significant defects. The limitation to operations was understood as such instead of organising an outage for inspection/repair of known defects this approach could allow clearer definition of scope for a planned line outage should it be deemed necessary

A5/2020 – Review Karara Mining 330kV Powerline Contingency Desktop Audit 20/4/17 and implement recommendations or critically review and document findings and management action

A6/2020 – Review legislative and contractual documentation and establish a compliance process and corrective action plan to ensure all obligations are understood and compliance is achieved.



Table 14 Performance Audit

No.	2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION
101*	OBLIGATION: Transmission Licence, condition 5.3.1 / Electricity Industry Act, section 1:	3(1)
Туре	A licensee must provide the ERA with a performance audit conducted by an independent expe	ert acceptable to the ERA, not less than once every 24 months
[2]	2016 Finding – The Licensee contracted with the auditor to carry out the audit to meet the requirements. The last audit met the requirements.	2020 Findings – During the audit period the Licensee has provided the ERA with an audit report (refer report dated 09/10/2016). The Audit Team was of the opinion that the evidence in the previous audit report was inconsistent with other evidence obtained during this current audit
	2016 Documents Reviewed – interviewed Senior HV Engineer, listed staff. Documents: The Licensee contracted with the auditor to carry out the audit. The documents were forwarded to the ERA as part of the approval of the auditor. Licensee received approval from the ERA for audit scope and appointment of auditor	period. The Audit Team were unable to verify the assessment of the previous auditor of the Licensee's control environment. Specifically in relation to the licensee's management philosophy and operating style, organisational structure, assignment of authority and responsibilities, the use of internal audit, the use of information technology and the skills and experience of the relevant staff members.
	2016 Observations – Compliance indicated for;	Historical records, including SAP and Ellipse reports, policies and procedures, were reviewed in an effort to verify previous report observations. Information reviewed calls into question the
	☑Documents ☑Compliance	reliability of documents and responses to enquiries indicate likely misstatement.
	 ☑Process ☑Outcome ☑Output ☑Reporting ☑Compliance 	As a result of extensive efforts to interview personnel, obtain and review documentation, a visit to both site and to head office, the Audit Team have assessed the previous audit report to be inconsistent with evidence reviewed. The Licensee was undertaking the required Performance Audit for current audit period but has not well demonstrated appreciation for compliance obligations and has not provided the information in a timely manner to the Audit Team. Fieldwork has raised areas of concern relating to control environment, information systems, control procedures, compliance attitude and outcome compliance.
		 2020 Documents/Evidence – 36, 37, 52, 104, 105,106, 115, 150, 161, 162 Communication from licensee regarding engagement ERA communication



Г	Purchase Order
	Interview with Karara Mining Personnel; Series Engineer LIV
	Senior Engineer HV
	 Interview Electrical & Instrumentation Supervisor Electrical Superintendent
	Electrical Superintendent
	2020 Observations:
	Reminder notices were issued by the ERA for the audit and review to be undertaken
	The audit was scheduled and auditor engaged. Due to site shutdown demands an
	extension was sought and provided by the ERA.
	There were limited documents made available to the auditors prior to attending site
	(previous audit report, compliance reports, ERA public documents, and licence fee
	payments sought directly from the ERA).
	The Licensee did not provide the required documentation in a timely manner due to
	an absence of documentation and systems.
	Observations in the previous audit report inconsistent with those of the Audit Team,
	for example, absence of a verification of control process (refer Post Audit Action Plan
	2016 ref 1/2016).
	Organisation has a Legal Obligations Register but this does not cover the
	Transmission Licence requirements
	The Licensee provided the ERA with a performance report, it was the Audit Teams
	assessment that the fieldwork (refer Audit Guidelines S4.2) did not met the ERAs
	expectations with respect to assessment of the;
	 Control environment
	 Information System
	 Control procedures
	 Compliance Attitude
	- Outcome Compliance
	Staff training with respect to legal and contractual obligations was not evident.
	The performance audit was not scheduled within a compliance system and a routine
	has not been embedded in the SAP system to prompt the audit scheduling and
	preparation.

enquiries to be used as evidence. As such the audit priority was revised during the audit.



2016 Controls Rating:		2016 Compliance Rat	ting:	2020 Controls Rating:		20	2020 Compliance Rating:			
A			1	1		D		3		
2016 Recomme	ndation:	I			2020 Recomme	ndation:				
• Nil					• A1/202	20 - Implement R1-9	of the Review R	ecommendations		
					• A6/202	20 – Review legisl	ative and contra	actual documentatio	n and establis	
					compli	ance process and	corrective action	n plan to ensure	all obligations	
					unders	stood and compliand	e is achieved			
2016 Action:					2020 Action:					
• Nil					Refer 2020 Post Audit Action Plan					
	2020 AUD	IT PLAN PRI	ORITY RATING		20	020 REVISED AUD	T REPORT REV	IEW PRIORITY RAT	ING	
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISI Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/5/I	
1	С	L	S	5	2	В	М	W	3	

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Performance Audit. Site evidence was inconsistent with other evidence obtained and calls into question the reliability of documents and responses to



102

OBLIGATION: Transmission Licence, condition 5.1.1 / Electricity Industry Act, section 14(1)(a)

Type [NR]

A licensee must provide for an asset management system.

2016 Finding – The Licensee has an asset management system. A copy of the asset management plan was obtained, and maintenance systems reviewed at site. These included maintenance planning modules in Ellipse supported by spreadsheets. The asset management system includes time based and conditioned based maintenance. The review examined the efficacy of the asset management system.

2016 Documents Reviewed – interviewed Senior HV Engineer, listed staff. Documents: Include, Asset Management Plan, Risk management policy, Project Execution Plan, Ellipse Screen shots, Asset Register, Environmental management plans Energy budget Commissioning Plans, Environmental Plans and Approvals, Spares List, Karara Mining Financial reports, Annual compliance returns, Licence fees payment details, Reticulation plans, Asset management plan, Project management manual.

2016 Observations -

Compliance indicated for;

☑Documents

☑Compliance

☑Process

☑Outcome

☑Output

☑ Reporting

☑Compliance

2020 Findings – The Licensee has established elements of an AMS but has not established or implemented an Asset Management System during the audit period. Further the licensee has not developed an asset management plan as required by the Electricity Transmission Licence and contractual obligations. Both Ellipse and SAP were reviewed for existence and quality of data for all towers, however, it was found that there was limited or no information recorded in these systems to verify observations as indicated in the previous audit (i.e. refer 2016 finding relating to maintenance planning modules in Ellipse and supporting spreadsheets). Time based and condition based monitoring did not occur in the previous audit period and there were no such events detailed in either SAP or Ellipse. Monitoring of vegetation and an acoustic survey were undertaken, however, these were not captured in the maintenance information systems. Response to the recommendations made in the 2016 Audit Report was not evident.

 $\textbf{2020 Documents/Evidence} - 1, \, 68, \, 69, \, 70, \, 71, \, 72, \, 73, \, 74, \, 75, \, 76, \, 77, \, 78, \, 79, \, 80, \, 81, \, 105, \! 106, \, 163 \\$

- Review of SAP and Ellipse records
- Vegetation Survey results
- SAP Report on plant equipment number 1456
- Interview with Karara Mining Personnel;
 - Senior Engineer HV
- Interview Electrical & Instrumentation Supervisor
- SAP Planner
- Electrical Superintendent

2020 Observations:

- The Licensee changed from Ellipse to SAP during the audit period on during 2018 (date of transition not provided)
- The Licensee has not been able to demonstrate an asset management system has been developed as stated in the previous audit report



conductor erosion recommended replacement in 1-3 year timeframe. It was not this was not evident in the SAP report No evidence in SAP of time based or condition based monitoring – although It vinoted some monitoring has occurred (ref Acoustic Inspect Report Defect Rec 12/3/18), vegetation surveys No maintenance planning modules in Ellipse/SAP supported by spreadsheets with able to be located an management was not aware of their requirement Asser Register provided was financial only and was detailed at tower level only, does not account for subcomponents. There were no spares held for the Transmission Line. Licensee could not locate documentation submitted to the ERA in original E1 application submission. Documentation sighted in previous audit not available/located during the au Specifically: Asset Management Plan Risk management Plan Risk management Plan Commissioning Plans Environmental Plans and Approvals Spares List Reticulation plans Project management manual.	2016 Recommendation: • Nil		2020 Recommendation:				
this was not evident in the SAP report No evidence in SAP of time based or condition based monitoring – although it is noted some monitoring has occurred (ref Acoustic Inspect Report Defect Red 12/3/18), vegetation surveys No maintenance planning modules in Ellipse/SAP supported by spreadsheets we able to be located an management was not aware of their requirement Asset Register provided was financial only and was detailed at tower level only, does not account for subcomponents. There were no spares held for the Transmission Line. Licensee could not locate documentation submitted to the ERA in original E' application submission Documentation sighted in previous audit not available/located during the at Specifically; Asset Management Plan Risk management Plan Risk management policy Project Execution Plan Commissioning Plans Environmental Plans and Approvals Spares List Reticulation plans	_	2016 Compliance Rating:	•				
		2016 Compliance Rating:	this was not evident in the SAP No evidence in SAP of time base noted some monitoring has one 12/3/18), vegetation surveys No maintenance planning mode able to be located an managened does not account for subcomposition. There were no spares held for to Licensee could not locate doc application submission. Documentation sighted in presupplication submission. Documentation sighted in presupplication submission. Risk management Passet M	report sed or condition based monitoring – although It scurred (ref Acoustic Inspect Report Defect Rec ules in Ellipse/SAP supported by spreadsheets we ment was not aware of their requirement mancial only and was detailed at tower level only. ments. The Transmission Line. Transmission Line. The Transmission Line and the ERA in original E vious audit not available/located during the and molicy an an and Approvals manual. 2020 Compliance Rating:			



					complia	20 – Review legislance process and tood and compliance	corrective action		
2016 Action:					2020 Action:				
• Nil					Refer 2	2020 Post Audit Acti	on Plan		
	2020 AUD	IT PLAN PRIO	RITY RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING				
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RI Low Medium High	SK ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORIT 1/2/3/4/5/N
1	С	L	S	5	2	В	Н	W	1

REVISED AUDIT PRIORITY RATING JUSTIFICATION

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Performance Audit. Site evidence was inconsistent with other evidence obtained and calls into question the reliability of documents and responses to enquiries to be used as evidence. An asset management system was not defined and an AMP not located. As such the audit priority was revised during the audit.



103

OBLIGATION: Transmission Licence, condition 5.1.2 and 5.1.3 / Electricity Industry Act, section 14(1)(b)

Type

A licensee must notify details of the asset management system and any substantial changes to it to the ERA

[2]

2016 Finding – In the licence application the asset management system was advised to the ERA. There have been no substantial changes that required notifying the ERA.

2016 Documents Reviewed – interviewed Senior HV Engineer, listed staff. Documents: Include letter to ERA about AMP. The asset management system was examined in the audit and review.

2016 Observations -

Compliance indicated for:

☑Documents

☑Compliance

☑Process

☑Outcome

☑Output

☑ Reporting

☑Compliance

2020 Findings – The Licensee has not notified the ERA of the details of the Asset Management System nor any substantial changes to it during the audit period. AMS not able to be verified on site during field work. The Licensee changed from Ellipse to SAP during the current audit period. The Licensee failed to advise the ERA of this change in Asset Management Information System i.e. asset management platform.

2020 Documents/Evidence -

- Review of SAP and Ellipse records
- Interview Senior Engineer HV confirmed no communication regarding AMS changes communicated to ERA
- Interview with Karara Mining Personnel;
 - Senior Engineer HV
 - Electrical & Instrumentation Supervisor
 - Electrical Superintendent
 - Financial Controller
 - SAP Planner

2020 Observations:

- The Licensee changed from Ellipse to SAP during the audit period on during 2018 (date of transition not provided)
- Refer Asset Management Review for specific detail
- Electrical Superintendent confirmed the ERA had not been notified of the change in maintenance platform or the change in ownership.
- Key deficiencies of note during the audit include;
 - Licensee was subject to change in ownership during audit period
 - Licensee moved from Ellipse to SAP during audit period
 - AMP not developed or implemented
 - AMS not formally defined



2016 Controls Rating:		2016 Performance Rat	ing:	2020 Adequacy Rating: 2020 F		020 Performance Rating:				
	Α		1		D 3					
2016 Recommend	dation:				2020 Recommer	ndation:				
• Nil					• A1/202	0 - Implement R1-9	of the Review Re	ecommendations		
					• A2/202	0 - Notify the deta	ails of the Asset	Management Syster	m to the ERA a	
					establis	sh a compliance p	rocess/change m	anagement process	s to ensure fut	
					complia	ance is achieved.	-			
2016 Action:					2020 Action:					
• Nil					Refer 2020 Post Audit Action Plan					
	2020 AUD	IT PLAN PRIC	ORITY RATING		20	20 REVISED AUDI	T REPORT REVI	EW PRIORITY RAT	ING	
CONSEQUENCE 1=Minor	RISK LIKELIHOOD A=Likely	INHERENT R	RISK ADEQUACY OF EXISTING	AUDIT PRIORITY	CONSEQUENCE 1=Minor	RISK LIKELIHOOD A=Likely	INHERENT RISK	ADEQUACY OF EXISTING	AUDIT PRIORITY	
2=Moderate	B=Probable	Medium	CONTROLS	1/2/3/4/5/NA	2=Moderate	B=Probable	Medium	CONTROLS	1/2/3/4/5/N	
3=Major	C=Unlikely	High	S=Strong M=Moderate W=Weak		3=Major	C=Unlikely	High	S=Strong M=Moderate W=Weak		
		М	М		2	Α	Н	W	1	

REVISED AUDIT PRIORITY RATING JUSTIFICATION

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Performance Audit. Site evidence was inconsistent with other evidence obtained and calls into question the reliability of documents and responses to enquiries to be used as evidence. An asset management system was not defined and an AMP not located. The ERA were not notified of any changes to the AMS. As such the audit priority was revised during the audit.



104*

OBLIGATION: Transmission Licence, condition 5.1.4 / Electricity Industry Act, section 14(1)(c)

Type [2] A licensee must provide the ERA with a report by an independent expert about the effectiveness of its asset management system every 24 months, or such longer period as determined by the ERA.

2016 Finding – The Licensee contracted McGill Engineering Services, with approval of the ERA, for the review in accordance with the requirements and the review plan documents have been forwarded to the ERA as part of approval of the auditor.

2016 Documents Reviewed – interviewed Senior HV Engineer, listed staff. Documents: Include, Asset Management Plan. Approval and Appointment letters for current review.

2016 Observations -

Compliance indicated for;

☑Documents

☑Compliance

☑Process

☑Outcome

☑Output

☑ Reporting

☑Compliance

2020 Findings – During the audit period the Licensee has provided the ERA with an asset management review report (refer report dated 09/10/2016). The Audit Team was of the opinion that the evidence in the previous review was inconsistent with other evidence obtained during this current audit period, for example, no asset management plan could be located. The Audit Team were unable to verify the assessment of the previous auditor of the Licensee's control environment. Specifically in relation to the licensee's management philosophy and operating style, organisational structure, assignment of authority and responsibilities, the use of internal audit, the use of information technology and the skills and experience of the relevant staff members.

Historical records, including SAP and Ellipse reports, policies and procedures, were reviewed in an effort to verify. Information reviewed calls into question the reliability of documents and responses to enquiries indicate likely misstatement.

As a result of extensive efforts to interview personnel, obtain and review documentation, a visit to both site and to head office, the Audit Team have assessed the previous review findings to be inconsistent with evidence reviewed. The Licensee was undertaking the required Asset Management Review for current audit period but has not demonstrated adequate compliance with its licence obligations and has not provided the information in a timely manner. Fieldwork has raised areas of concern relating to control environment, information systems, control procedures, compliance attitude and outcome compliance.

2020 Documents/Evidence – 36, 37, 52, 104, 105,106, 115, 150, 161, 162

- Communication from licensee regarding engagement
- ERA communication
- Purchase Order
- ERA Notice
- Interview with Karara Mining Personnel;
 - Senior Engineer HV



1		*	Interview Floatrical 9 Instrum	entation Cuporvisor
		•	Interview Electrical & Instrume	entation Supervisor
		*	Electrical Superintendent	
		2020 Observ	rations	
				0.0 for the coudit and review to be well-and
		• The	e review was scheduled and auditor e ension was sought and provided by t	
			ere were limited documents made av evious audit and review report).	ailable to the auditors prior to attending site
		to	·	ired documentation in a timely manner due ence requirements and an absence of
		the	·	eview report were inconsistent with those of f a verification of control process (refer Post 16, 3/2016).
		Au	dit Teams assessment that the fieldw ERAs expectations with respect to a	asset management review report, it was the ork (refer Audit Guidelines S4.2) did not met ssessment of the;
		-	Control environment Information System	
		-	Control procedures	
		-	Compliance Attitude	
		-	Outcome Compliance	
		• Tra	nining and awareness to legal and co	ntractual obligations was not evident.
		a r	-	scheduled within a compliance system and SAP system to prompt the audit scheduling
2016 Controls Rating:	2020 Compliance Rating:	2020 Contro	_	2020 Compliance Rating:
A	D		D	3



2016 Recomme	016 Recommendation:					2020 Recommendation:					
• Nil					A1/2020 – Implement R1-9 of the Review Recommendations						
					complia	20 - Review legislance process and tood and compliance	corrective action				
2016 Action:					2020 Action:						
• Nil					Refer 2	2020 Post Audit Acti	on Plan				
	2020 AUD	IT PLAN PRIORIT	Y RATING		20	20 REVISED AUDI	T REPORT REVIE	W PRIORITY RAT	ING		
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY		
1	С	1	S	5	2	В	М	W	3		

REVISED AUDIT PRIORITY RATING JUSTIFICATION

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Performance Audit. Site evidence was inconsistent with other evidence obtained and calls into question the reliability of documents and responses to enquiries to be used as evidence. As such the audit priority was revised during the audit.



105** Type

[2]

OBLIGATION: Transmission Licence, condition 4.2.1 / Economic Regulation Authority (Licensing Funding) Regulations 2014

A licensee must pay the prescribed licence fees to the ERA according to clauses 6, 7 and 8 of the Economic Regulation Authority (Licensing Funding) Regulations 2014.

2016 Finding – The 2015 fee was paid late. The ERA invoice gave the date as 12/10/2015. This appears to be date format error where 12/10/2015 appears to be taken as 10 Dec 2015 and paid on 11 Dec 2015. The 2013 and 2014 fees were paid before the anniversary date.

2016 Documents Reviewed – interviewed Senior HV Engineer, listed staff. Documents: Include invoices and receipts

2016 Observations -

Fees were late.

Compliance indicated for;

⊠Documents

☑Compliance

☑Process

☑Outcome

☑Output

☑Reporting

☑Compliance

2020 Findings – During the Audit Period the Licensee has paid the ETL6 Licence fee as required by the 26th of October each year. Compliance was assessed to be as a result of tacit knowledge of employees rather than a systemic compliance process.

Compliance with terms for standing charges for the Licence were not achieved, there were 16 standing charge invoices issued during this period and 10 out of 16 were paid outside the required payment parameters. With late payment dates ranging from 2 -58 days after the due dates. On one occasion an interest penalty was charged. Payment with regards to Licence fees was demonstrated by employees as a result of previous audit but not in respect to standing charges invoice payments. It was noted the invoices were routinely not posted to SAP until after the due date

2020 Documents/Evidence - 106, 146, 151

- ERA Finance Officer verified payment timeframes email 12/8/20
- ERA Invoices 1/7/2016 30/6/2020
- Interview with Karara Mining Personnel;
 - Financial Controller
 - Electrical Superintendent

2020 Observations:

- ERA contacted prior to audit plan development to obtain following information. Due date of invoices 26/11 annually
- Licensee was not able to provide invoices prior to site visit
- Financial controller provided information from both Ellipse and SAP systems
- SAP allows late payment to be monitored.
- It was noted the invoices were routinely not posted to SAP until after the due date.
- 2016 Post Audit Action Plan Establish verification of control processes to ensure regulatory compliance issues were carried out and on time for accuracy and repeatability. Not able to be systematically verified. Compliance of payment of Licence fee was largely attributed to tacit knowledge.
- Not clear who was receiving the standing charges invoices and if they were aware of compliance requirement



	Rating:	201	16 Performance Rat	2020 Adequacy	Rating:	2	2020 Performance R	2020 Performance Rating:		
	В		2		D 3					
2016 Recommo	endation:				2020 Recommen	ndation:	l .			
1/2016 - Establish verification of control processes to ensure regulatory compliance					• A1/202	20 – Implement R1-9	of the Review	Recommendations		
issues are carried out and on time for accuracy and repeatability.					compli	•	corrective acti	ractual documentatic on plan to ensure		
2016 Action: • Proce	ess implemented but the	ere mav have t	een date confusion	so this item is still	2020 Action: • Refer 2	2020 Post Audit Acti	on Plan			
	solved.				Transfer 2020 F 30t / Idah / Idah					
 Action 	n to have been complet	e Q1 2017								
		nliance & Finar	ice Teams							
• Acco	ıntability – Karara Com	ipiiarioo a i iriar			A					
• Acco	<u> </u>	PLAN PRIORI	TY RATING		20	020 REVISED AUDI	T REPORT RE	/IEW PRIORITY RAT	ΓING	
• ACCO	2020 AUDIT RISK LIKELIHOOD I A=Likely I B=Probable			AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	T REPORT REVIEW NUMBER OF THE NAME OF T		AUDIT PRI	

documentation and the previous Performance Audit. Invoice payments were not provided to the Audit Team prior to the site visit. As such the ERA Finance Officer provided payment details

of Electricity Transmission Licence payments only. Non-compliance with payment of standing charges only became evident during the visit to the Perth office.



106

OBLIGATION: Transmission Licence, condition 4.1.1 / Electricity Industry Act, section 31(3)

Type [NR]

A licensee must take reasonable steps to minimise the extent, or duration, of any interruption, suspension or restriction of the supply of electricity due to an accident, emergency, potential danger or other unavoidable cause.

2016 Finding – There have been 15 interruptions one being protracted at 50 hours. The outages were all Related to the Western Power supply generally and bushfires and lightning on the Western Power network. There is a need for mine production to keep interruptions to a minimum. All interruptions were minimized.

2016 Documents Reviewed – interviewed Senior HV Engineer, listed staff. Documents: Include incident log.

2016 Observations -

The line is monitored manually and by Western Power.

Compliance indicated for:

☑ Documents

☑Compliance

☑Process

☑Outcome

☑Output

☑Reporting

☑Compliance

2020 Findings – In general, the line performance during the audit period was satisfactory. Western Power have confirmed there were 3 Planned Line Outages and 5 Unplanned Line Outages. All unplanned outages indicated a return to service in a timely manner.

The Licensee has not formally identified any specific risks associated with the transmission line.. Condition monitoring has not been incorporated in SAP.

It was noted a Karara Mining 330kV Powerline Contingency Desktop Audit was undertaken in April 2017 and states;

- a vegetation growth survey was scheduled every 2 years
- No line maintenance regime was currently in place
- No strategic spares were being kept.
- Electrical spare parts scattered across various locations on site, without proper documentation and storage.
- of great concern was the situation regarding the lack contingency plans and strategic spares on the 106 kilometre transmission line
- with no strategic spares or pre-arranged agreements with service providers to manage a transmission line failure, Karara mine production would be adversely affected and would result in excessive financial losses
- No contingency management plans available should a tower failure occur (Note draft plan provided 28/10/20 was not previously able to be located during the audit by the licensee)
- No Tower design drawings available.
- No spare tower or tower components available.
- No service agreement with possible service providers to erect or repair a collapsed tower.
- Land access to facilitate tower repair would be a problem due to failed relations with the current land owners.
- it was disturbing to note that the transmission line has never been inspected or had any maintenance done since in-service commissioning almost 5 years ago, and at



• • •	ist for maintenance to be done. It was furthermore concerning contingency plan for such a strategic asset was available or .
• •	endation from this audit will be to establish a risk based
	ne 330kV system, taking into account the expected frequency
of failure, the mitigate measures.	tion strategies, cost, operational impact, and alternative
2020 Documents/Evidence – 4	0, 41, 84, 113, 164, 165
 Western Power Line F Interview with Karara Senior Engi 	Mining Personnel;
J	ectrical & Instrumentation Supervisor
Electrical S	uperintendent .
❖ Western Po	wer Representative
Safety Office	ər
2020 Observations:	
 No risk assessed for t 	ne transmission line
Protection systems ins	stalled by Karara and operated by Western Power
AMSC monitor line per	rformance at the 32KV substation and this data was used to
automatically monitor Licence scope)	line voltage, stability and corrections (this was outside the
MetroPower (A comp.)	any engaged to monitor load and forecast prices to monitor
costs to advise mine	production on load management practices) minimise use of
peak load tariffs and lo	pad control to efficiently operate mine power demand.
Western Power monitor	or the frequency, voltage at Three Springs and MWhrs
Emergency Response	Plan provided during audit (not able to be reviewed for Audit
Plan development) do	es not address the transmission line specifically.
 Email communication 	n between the Senior HV Engineer and the Manager
Environment and Co	mmunities regarding a compliance condition for DMIRS
compliance reporting i	regarding clearing vegetation near powerlines (24/8/20) - note
outside audit scope h	out supports finding. Note this is an example of a duplicate



		 compliance requirement that would be captured in a site compliance schedule/register. Emergency Risk Assessment safety focus No INX (INX was the organisations incident reporting and investigation stransmission incidents documented Note Review Karara Mining 330kV Powerline Contingency Desktop Audit 2 was provided to the Audit Team on the 28/10/20. Karara ETL6 Power Line Contingency Test Plan (also provided on 28/10/2 synchronising and on and off load testing, for 20min which may not be ade generally undertaken for 1-2hrs. 					
2016 Controls Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:				
Α	1	D	3				
2016 Recommendation:		2020 Recommendation:					
• Nil		performances and report to mar the transmission line. • A4/2020 -Consider carrying ou extent of any deterioration and operations was understood inspection/repair of known defe scope for a planned line outage • A5/2020 - Review Karara Mir	other appropriate system to record non-stand nagement to ensure compliance and performance to a second acoustic emissions test to establish address any significant defects. The limitation as such instead of organising an outage ects this approach could allow clearer definition should it be deemed necessary ning 330kV Powerline Contingency Desktop All endations or critically review and document finding				
2016 Action:		2020 Action:					
• Nil		Refer 2020 Post Audit Action Pl	an				
0000 AUDI	PLAN PRIORITY RATING	2020 REVISED AUDIT RE					



CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA
1	В	L	S	5	2	В	М	W	3

REVISED AUDIT PRIORITY RATING JUSTIFICATION

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Performance Audit. KML have limited impact and the risk of failure of transmission lines was low. No risk assessment has been undertaken and no response to monitoring has been implemented.



107	OBLIGATION: Transmission Licence, condition	on 4.1.1 / Electricity Industry Act, section 4	1(6)					
Туре	A licensee must pay the costs of taking an interes	st in land or an easement over land.						
[2]	2016 Finding – No land has been acquired under therefore no costs and expenses for taking an interest of the costs and expenses for taking an interest of the costs and expenses for taking an interest of the costs and expenses for taking an interest of the costs and expenses for taking an interest of the costs and expenses for taking an interest of the costs and expenses for taking an interest of the costs and expenses for taking an interest of the costs and expenses for taking an interest of taking an		2020 Findings – The Licensee indicated that do of taking an easement over land on which the train payments or details of land access agreements with this obligation of assessment of compliance with this obligation of	nsmission line was located. No details of lease were made available during the audit. As such,				
	2016 Documents Reviewed – interviewed Senio	or HV Engineer, listed staff. Documents: Not	assessment of compliance with this obligation cannot be made.					
	applicable		2020 Documents/Evidence – 165 ■ Interview with Karara Mining Personnel; Senior Engineer HV					
	2016 Observations –		 Financial Controller Electrical Superintendent 					
	Compliance indicated for;		2020 Observations:					
	□Documents		No details pertaining to lease payments were made available. Lease payments were confirmed to have been made in interview with Electrical Superintendent.					
	□Compliance							
	□Process		 Advised by Electrical Superintendent 	that there were no disputes with relation to				
	□Outcome		transmission line corridor, however, th	ere were disputes with some lease holders.				
	□Output			ared available as access for Acoustic and				
	□Reporting		vegetation surveys was forthcoming.					
	□Compliance		 Note the Karara Mining 330kV Powerline Contingency Desktop Audit (20/4/2017) states "Land access should we have a line failure would be a problem as Karara was currently in dispute with land owners. "(Ref 3.1Transmission Line Failure) No evidence of compliance monitoring, management reporting or corrective action planning was sighted in any of the documentation reiewed. 					
	2016 Controls Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:				
	NR	NR	С	NR				



2016 Recommendation:				2020 Recommer	ndation:					
• Nil				 A6/2020 – Review legislative and contractual documentation and establish compliance process and corrective action plan to ensure all obligations a understood and compliance is achieved. 						
2016 Action:				2020 Action:						
• Nil				Refer 2	2020 Post Audit Acti	on Plan				
2020 AUD	2020 AUDIT PLAN PRIORITY RATING					2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING				
CONSEQUENCE 1=Minor 2=Moderate 3=Major RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY		
2 C	М	М	4	2	В	М	W	3		

The Licensee did not provide evidence of lease payments and no supporting compliance processes identified the obligation.



No.	2016 AUDIT REPORT EVIDENCE/ /VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION
No. 119 Type [2]	OBLIGATION: Transmission Licence, condition 4.3.1	the Australian Accounting Standards Board Standards or equivalent International Accounting 2020 Findings – The License has maintained accounting records that comply with the Australian Accounting Standards Board Standards. It was noted accounting was also completed to Chinese accounting standard as the parent company was Chinese. Budgeting follows the Chinese financial calendar. 2020 Documents/Evidence – 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,14, 15, 16, 17, 18, 19 20, 21, 22 • Interview with Karara Mining Personnel; • Senior Engineer HV • Financial Controller • Electrical Superintendent 2020 Observations: • Accounting processes appears to be adequate.
	 ☑Process ☑Outcome ☑Output ☑Reporting ☑Compliance 	 Accounting processes appears to be adequate. Accounting was done to Chinese standards with an audited report to Australian standards prepared at the same time. Australian accounting methods were utilised. Compliance was stated by the independent auditors. Chinese financial year was January 1st to December 31st. The Transmission line was not separately identified in the documents provided. RSM, the third party auditors engaged by the Licensee, routinely stated that the financials "may cast significant doubt on the Consolidated Entity's ability to continue as a going concern" throughout the 4 year audit period. It was noted in the 2019 KML Financial statements that "the Directors believe the Company and the Consolidated Entity will each be able to continue as going



							ppropriate to adopt nents for the year en	0 0			ion of the f
2016 Controls	Rating:		2016 I	Performance Ra	nting:	2020 Adequacy Rating: 2020 Performance Rating:					
	Α			1			Α			1	
2016 Recomm	endation:	l				2020 Recomme	ndation:				
• Nil						• Nil					
2016 Action:					2020 Action:						
• Nil						• Nil					
	2020 AUD	IT PLAN PRI	IORITY	RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING					
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High		ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIO 1/2/3/4/5
2	С	М		S	4	2	С	М		S	4
	IT PRIORITY RATIN	C ILICTIFICA	ATION			1		I			-



A licensee must comply, and require it	s auditor to comply, with the ERA's standard audit g	uidelines for a performance audit.					
2016 Finding – The Licensee has cont	racted with the auditor to comply with the requiremen		e complied, and required its auditor to comply, with performance audit. However, information was no				
2016 Documents Reviewed – interview	wed Senior HV Engineer, listed staff. Documents: 1	ne available in a timely manner due to the	absence of key systems and documentation, fo				
audit plan was forwarded to the ERA,	approval of the auditor obtained prior to appointmen	example, compliance processes, risk assessment, etc. Failure to provide the required documentation largely attributed to a lack of understanding of compliance obligations.					
2016 Observations –		2020 Documents/Evidence – 24, 25, 26,2					
Compliance indicated for;		Capability and quotation docume					
☑Documents		 Interview with Karara Mining Pe ❖ Senior Engineer HV 	rsonnei;				
☑Compliance		_	Instrumentation Supervisor				
☑Process		Electrical Superintend	·				
☑Outcome							
☑Output		2020 Observations:					
☑Reporting		Auditor approval obtained prior to appointment.					
☑Compliance		The audit plan was submitted and approved by the ERA					
		Email communication between h					
		·	audit plan and auditor nomination process				
		•	cumentation to the Audit Team in a timely manner.				
		in the audit plan.	ss to the facilities and business premises identified				
		·	it to head office was scheduled in response to the				
		inconsistencies identified during	•				
		9	of key personnel were unavailable for a variety of				
		reasons including quarantine du	e to COVID-19, training and ill health				
2016 Controls Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:				
Α	1	С	2				
2016 Recommendation:	,	2020 Recommendation:	,				
 Nil 		 A1/2020 – Implement R1-9 of th 	ne Review Recommendations				



		 A6/2020 – Review legislative and contractual documentation and establish compliance process and corrective action plan to ensure all obligations a understood and compliance is achieved 								
2016 Action:					2020 Action:					
• Nil				Refer 2	2020 Post Audit Acti	ion Plan				
	2020 AUD	IT PLAN PRIORI	Y RATING		20	020 REVISED AUDI	IT REPORT R	REVIE	W PRIORITY RAT	ING
CONSEQUENCE	RISK LIKELIHOOD	INHERENT RISK	ADEQUACY OF	AUDIT PRIORITY	CONSEQUENCE	RISK LIKELIHOOD		RISK	ADEQUACY OF	AUDIT PRIORI
CONSEQUENCE 1=Minor 2=Moderate	RISK LIKELIHOOD A=Likely B=Probable	INHERENT RISK Low Medium	ADEQUACY OF EXISTING CONTROLS	AUDIT PRIORITY	CONSEQUENCE 1=Minor 2=Moderate	RISK LIKELIHOOD A=Likely B=Probable	INHERENT Low Medium	RISK	ADEQUACY OF EXISTING CONTROLS	
1=Minor	A=Likely	Low	EXISTING		1=Minor	A=Likely	Low	RISK	EXISTING	AUDIT PRIORI 1/2/3/4/5/

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Performance Audit. The absence of documentation and systems and under appreciation for the compliance requirements of the Electricity Transmission Licence made compliance with the audit guideline more challenging. The scope and time taken to complete the audit and review has increased significantly.



122

OBLIGATION: Transmission Licence, condition 5.1.5 / Electricity Industry Act, section 11

Type [2]

A licensee must comply, and must require the licensee's expert to comply, with the relevant aspects of the ERA's standard audit guidelines for an asset management system review.

2016 Finding – The Licensee has contracted with the reviewer to comply with the requirements.

2016 Documents Reviewed – interviewed Senior HV Engineer, listed staff. Documents: The AMS review plan has been forwarded to the ERA approval of the reviewer obtained prior to appointment.

2016 Observations -

Compliance indicated for;

☑ Documents

☑Compliance

☑Process

☑Outcome

☑Output

☑ Reporting

☑Compliance

2020 Findings – In general, the Licensee complied, and required its auditor to comply, with the ERA's standard audit guidelines for an asset management review. However, information was not available in a timely manner due to the absence of key systems and documentation, for example, asset management plan. Failure to provide the required documentation largely attributed to a lack of understanding of compliance obligations.

2020 Documents/Evidence – 24, 25, 26,27, 28, 29, 52, 104, 150

- Capability and quotation documentation
- Interview with Karara Mining Personnel;
 - Senior Engineer HV
 - Interview Electrical & Instrumentation Supervisor
 - Electrical Superintendent

2020 Observations:

- Auditor approval obtained prior to appointment.
- The audit and review plan was submitted and approved by the ERA
- Email communication between KML and GES
- Compliance was inherent in the audit and review plan and auditor nomination process
- The Licensee did not enable the Audit Team to provide documentation in a timely manner.
- The Licensee did facilitate access to the facilities and business premises identified in the audit and review plan.
- An additional visit to head office was scheduled in response to the inconsistencies identified during the fieldwork on site.
- An AMS review plan noted as forwarded to the ERA in the previous audit could not be located.
- During the site visit a number of key personnel were unavailable for a variety of reasons including quarantine due to COVID-19, training and ill health



Rating:		2016 Performance Rating:		2020 Adequacy	Rating:	20	2020 Performance Rating:	
Α		1		С			2	
ndation:				2020 Recommer	ndation:	I		
				A1/2020 – Implement R1-9 of the Review Recommendations				
				• A6/202	20 – Review legisl	ative and contra	actual documentation	n and establi
					ance process and	corrective actio	n plan to ensure	all obligations
		understood and compliance is achieved						
					·			
				2020 4 44 4 4 4				
				Refer 2020 Post Audit Action Plan				
2020 AUD	IT PLAN PRIC	ORITY RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING				
RISK LIKELIHOOD			AUDIT PRIORITY	CONSEQUENCE	RISK LIKELIHOOD			AUDIT PRIORIT
			1/2/3/4/5/NA					1/2/3/4/5/
C=Unlikely	High	S=Strong	1/2/3/4/3/NA	3=Major	C=Unlikely	High	S=Strong	1/2/3/4/3/
	1	M=Moderate					M=Moderate	
+	 	vv=vveak		1			vv=vveak	
С	М	S	4	2	В	l M	W	3
	2020 AUD RISK LIKELIHOOD A=Likely B=Probable	2020 AUDIT PLAN PRIO	2020 AUDIT PLAN PRIORITY RATING RISK LIKELIHOOD INHERENT RISK ADEQUACY OF EXISTING CONTROLS S=Strong Medium C-Unlikely High S=Strong	2020 AUDIT PLAN PRIORITY RATING RISK LIKELIHOOD INHERENT RISK ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate 1/2/3/4/5/NA	2020 Recommer A1/202 A6/202 complia unders 2020 Action: Refer 2 2020 AUDIT PLAN PRIORITY RATING RISK LIKELIHOOD A=Likely B=Probable C=Unlikely High Risk Decommer ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate 1/2/3/4/5/NA S=Moderate 3=Major	2020 Recommendation: • A1/2020 – Implement R1-3 • A6/2020 – Review legist compliance process and understood and compliance understood and compliance process and understood and complia	2020 Recommendation: • A1/2020 – Implement R1-9 of the Review R • A6/2020 – Review legislative and contra compliance process and corrective action understood and compliance is achieved 2020 Action: • Refer 2020 Post Audit Action Plan 2020 AUDIT PLAN PRIORITY RATING 2020 REVISED AUDIT REPORT REV RISK LIKELIHOOD A=Likely B=Probable Controls Setrong Medium High RISK LIKELIHOOD A=Likely B=Probable Controls Setrong Medium High AUDIT PRIORITY CONSEQUENCE 1=Minor 2=Moderate 3=Major Controls Setrong Medium High	2020 Recommendation: • A1/2020 – Implement R1-9 of the Review Recommendations • A6/2020 – Review legislative and contractual documentation compliance process and corrective action plan to ensure understood and compliance is achieved 2020 Action: • Refer 2020 Post Audit Action Plan 2020 AUDIT PLAN PRIORITY RATING 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATION RISK LIKELIHOOD Low Medium High Sections Sections Medium High New Medium Medium High New Medium High New Medium Medium High New Medium Medium High New Medium High New Medium Medium Medium High New Medium Medium Medium High New Medium Medium Medium Medium High New Medium Medium Medium Medium Medium Medium Medium Medium High New Medium M

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Performance Audit. The absence of documentation and systems and under appreciation for the compliance requirements of the Electricity Transmission Licence made compliance with the audit guideline more challenging. The scope and time taken to complete the audit and review has increased significantly.



123	OBLIGATION: Transmission Licence, conditio	n 4.4.1 / Electricity Industry Act, section 1	1					
Type [2]	In the manner prescribed, a licensee must notify affect the licensee's ability to meet its obligations.		or if there	is a signifi	cant change in the circumstand	es that the licence was granted which may		
	2016 Finding – The Licensee is not under external compliance with advice requirements.	ernal administration so not able to assess	circumst	ances that	the licence was granted which	e has been a significant change in the may affect the licensee's ability to meet its		
	2016 Documents Reviewed – interviewed Senio applicable.	r HV Engineer, listed staff. Documents: Not	obligations. For example, the Licensee has changed ownership and has changed maintenance platforms from Ellipse to SAP.					
	арриоавто.		2020 Documents/Evidence – 163					
	2016 Observations – interviewed Senior H applicable.	V Engineer, listed staff. Documents: Not	•		with Karara Mining Personnel; Senior Engineer HV Interview Electrical & Instrume			
	Compliance indicated for;			*	Electrical Superintendent	Shallon Capol visor		
	Documents				'			
	□ Compliance		2020 Observations:					
	□Process		The Licensee was in well publicised financial crisis and Gindalbie was purchased by					
	□Outcome		Ansteel and supported by the shareholders					
			This was not communicated to the ERA					
	□ Output		•		· ·	no such communication has been made to		
	□ Reporting		_		in regards to change in owners			
	□ Compliance		•		does not have evidence of doo	is granted were difficult to establish as the cumentation submitted for the transmission		
					•	vious audit as being 176km originally and		
				98km of t leaving 7	he line from Eneabba to three S	Springs being transferred to Western Power h queried by the ERA it was quoted as being		
-	2040 Cantrala Batter	2040 Parfarmana Parfar	•		edia ii	2000 Bartanna Batina		
	2016 Controls Rating: NP	2016 Performance Rating: NR	2020 Ad	equacy Ra	ating: C	2020 Performance Rating:		
-	• • • • • • • • • • • • • • • • • • • •	NK				3		
	2016 Recommendation:		2020 Re	commend		D. D. C.		
	• Nil		•	A1/2020	 Implement R1-9 of the Review 	w Recommendations		



					establi compli • A6/202 compli	 20 - Notify the detash a compliance pance is achieved. 20 - Review legislance process and stood and compliance 	rocess/change ma lative and contrac corrective action	inagement proces	s to ensure future n and establish
2016 Action: • Nil					2020 Action: • Refer 2	2020 Post Audit Act	ion Plan		
	2020 AUD	IT PLAN PRIOR	ITY RATING		20	020 REVISED AUD	T REPORT REVIE	W PRIORITY RAT	ING
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISH Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA
	С	М	М		2	А	Н	W	4

REVISED AUDIT PRIORITY RATING JUSTIFICATION

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Performance Audit. The absence of documentation and systems and under appreciation for the compliance requirements of the Electricity Transmission Licence has led to a change in audit priority.



** rpe	A licensee must provide the ERA, in the manner p	rescribed, with any information that the ERA	requires in co	onnection with its for	unctions under the E	electricity Industry Act.
2]	2016 Finding – Licensee has not met the reporting reports were late. The 2016 report was also late b			-	ee has failed to mee nder the Electricity I	t the reporting requirements of the ERA in adustry Act.
	2016 Documents Reviewed – interviewed Senior Superintendent advised that there have been no rethan Performance Audit, AMS Review and Complitation 2016 Observations – Compliance indicated for; □ Documents □ Compliance □ Process □ Outcome □ Output □ Reporting □ Compliance	equests for information from the ERA other	• Co • 20 • 20 • 1nt • • • • • • • • • • • • •	ompliance Reports 016-2017 Submitte 017-2018 - Submitte 018-2019 Submitte terview with Karara Senior En Interview Electrical vations: 019-2020 Compliant on-compliant obligation overification of commended in presubmission of comple audit period. elineation of responses	ted 19th September 2 and 28th August 2019 a Mining Personnel; igineer HV Electrical & Instrume Superintendent The Report reported ations for the reportion processes to time for accuracy a evious audit (refer 1/2) poliance reporting requestions in the reportion of the reportion	2017 – Non-Compliant Obligation 124 2018 – Non-Compliant Obligation 124 - Non-Compliant Obligation 124 - Non-Compliant Obligation 124 - entation Supervisor no non-compliances. There were 8 Type 2 ng period. ensure regulatory compliance issues were and repeatability has been established as
	2016 Controls Rating:	2016 Performance Rating:	2020 Adequ	uacy Rating:		2020 Performance Rating:
	2016 Recommendation:	-	2020 Recon	nmendation:		<u> </u>
	 1/2016 - Establish verification of control issues are carried out and on time for ac 	processes to ensure regulatory compliance curacy and repeatability.	• A1	1/2020 – Impleme	nt R1-9 of the Revie	w Recommendations



					complia	20 – Review legisl ance process and stood and compliand	corrective action		
2016 Action:					2020 Action:				
 Action 	ss implemented but to have been comp ntability – Karara Co	lete Q1 2017		• Refer 2	2020 Post Audit Acti	ion Plan			
	2020 AUD	OIT PLAN PRIORIT	Y RATING		20	020 REVISED AUD	IT REPORT REVIE	W PRIORITY RAT	ING
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIOR 1/2/3/4/5/
2	А	Н	W	1	2	А	Н	W	1
REVISED AUDIT	PRIORITY RATIN	G JUSTIFICATION		ı		- L	ı	I .	<u> </u>



125	OBLIGATION: Transmission Licence, condition	on 3.8.1 and 3.8.2 / Electricity Industry Act	section 11			
Type	A licensee must publish any information as directed	ad by the EPA to publish within the timefram	os specified			
[2]	2016 Finding – The ERA has not directed any info compliance with publishing requirements.		•	No directions have been made b	y the Authority for the Licensee to publish	
	2016 Documents Reviewed – interviewed Senio applicable.	r HV Engineer, listed staff. Documents: Not	2020 Documents/I	Evidence – Nil v with Karara Mining Personnel; Senior Engineer HV Interview Electrical & Instrume	entation Supervisor	
	2016 Observations –		*	Electrical Superintendent		
	Compliance indicated for;		2020 Observations:			
	□Documents		• Nil			
	□ Compliance					
	□Process					
	□Outcome					
	□Output					
	□Reporting					
	□Compliance					
•	2016 Controls Rating:	2016 Performance Rating:	2020 Adequacy R	ating:	2020 Performance Rating:	
	NP	NR		NR	NR	
	2016 Recommendation:		2020 Recommend	dation:		
	• Nil		• Nil			
•	2016 Action:		2020 Action:			
	• Nil		• Nil			
	2020 AUDIT PLAN PR	IORITY RATING	202	0 REVISED AUDIT REPORT R	EVIEW PRIORITY RATING	



1=Minor 2=Moderate 3=Major	A=Likely B=Probable C=Unlikely	Low Medium High	EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA
2	С	М	М	4	2	С	М	М	4
REVISED AUDIT	PRIORITY RATIN	I G JUSTIFICATION			1				



, and the second	ondition 3.7.1 / Electricity Industry Act, section 1					
All notices must be in writing, unless other	vise specified.					
2016 Finding – No notices have been require the ERA is in writing.	uired by the ERA. All material communication with		ne Licensee maintained records of communication. All responses have been in with have been reviewed as part of the audit.			
2016 Documents Reviewed – interviewe	ed Senior HV Engineer, listed staff. Documents:	2020 Documents/Evidence – 52, 162				
Sample communication with ERA sighted.		 Communication between ERA ar Interview with Karara Mining Pers Senior Engineer HV 				
2016 Observations –		 Interview Electrical & Instrumentation Supervisor Electrical Superintendent 				
Compliance indicated for;		2020 Observations:				
☑Documents		• Nil				
☑Compliance		•				
☑Process						
☑Outcome						
☑Output						
☑Reporting						
☑Compliance						
2016 Controls Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:			
Α	1	Α	1			
2016 Recommendation:		2020 Recommendation:				
• Nil		• Nil				
2016 Action:		2020 Action:				
• Nil		• Nil				
2020 AUDIT PL	AN PRIORITY RATING	2020 REVISED AUDIT REP	PORT REVIEW PRIORITY RATING			



CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY
2	В	М	S	4	2	В	М	S	4
REVISED AUDI	T PRIORITY RATIN	G JUSTIFICATION	I	l.			l .	l .	I .

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13. E	lectricity Licences – Licence co	nditions and obligations				
No.	2016 AUDIT REPORT EVIDENCE//VERIFICATI	ON/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION	DN/FINDING/ACTION		
371 Type [NR]	OBLIGATION: Transmission Licence, condition If there is a discrepancy between energy data her the most appropriate way to resolve the discrepant 2016 Finding – The Licensee has no meters of Licensee has no metering database and no meter	d in a metering installation and in the metering. with all metering by Western Power. The	e, clause 4.4(1) ng database, the affected Code participants and the 2020 Findings – There have been no discrepance installation and in the metering database. As such	cies between energy data held in metering		
	2016 Documents Reviewed – interviewed Se Transmission line. Documents: n/a. 2016 Observations –		made. Western Power as the Network Operator of the tariff meters at Three Springs control a			
	Compliance indicated for; Documents Compliance Process Outcome		2020 Documents/Evidence – Ref 99 ■ Interview with Karara Mining Personnel; ⇒ Senior Engineer HV ⇒ Interview Electrical & Instrumentation Supervisor ⇒ Electrical Superintendent			
	□Output □Reporting □Compliance		 2020 Observations: Metering at Three Springs was under Western Powers Control Western Power have double metering Check metering calculations are difficult to forecast due to line losses and n metering at 330kV and 33kV at Karara. Electrical Superintendent indicated no discrepancies occurred during the aud period. 			
	2016 Controls Rating: NP	2016 Performance Rating: NR	2020 Adequacy Rating: NP	2020 Performance Rating: NR		



2016 Recomme	endation:				2020 Recomme	ndation:			
• Nil					• Nil				
2016 Action:					2020 Action:				
• Nil					• Nil				
	2020 AUD	IT PLAN PRIORIT	Y RATING	2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING					
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORI 1/2/3/4/5/
1	С	L	М	5	1	С	L	М	5
DEVICED AUDI	T PRIORITY RATIN	I G JUSTIFICATION	<u> </u>		1			1	



372	OBLIGATION: Transmission Licence, condition	n 4.1.1 / Electricity Industry Metering Code	e, clause 4.5(1)			
Type	A Code participant must not knowingly parmit the	registry, to be metavially, in accurate				
[NR]	A Code participant must not knowingly permit the 2016 Finding – The Licensee has no meters Licensee is no knowledge of Western Power's reg 2016 Documents Reviewed – interviewed Se	with all metering by Western Power. The jistry other than their own details.	metering installations Western Power and a responsibility for the	captured under the Meterin re outside the control of the L management the registry me	iding data or energy data in relation to the g Code. These activities are managed by icensee. As Western Power maintains sole etering database these obligations are not	
	Transmission line. Documents: n/a. 2016 Observations –		relevant to the Licensee's operations for the period 1 July 2016 to 30 June 2020. 2020 Documents/Evidence – Interview with Karara Mining Personnel;			
	Compliance indicated for; Documents Compliance Process Outcome Output Reporting Compliance		 Senior Engineer HV Interview Electrical & Instrumentation Supervisor Electrical Superintendent 2020 Observations: Nil 			
-	2016 Controls Rating:	2016 Performance Rating:	2020 Adequacy Ratio	na:	2020 Performance Rating:	
	NP	NR	,	NP	NR	
-	2016 Recommendation:		2020 Recommendati	ion:		
	• Nil		• Nil			
-	2016 Action:		2020 Action:			
	• Nil		• Nil			
	2020 AUDIT PLAN PR	IORITY RATING	2020 R	REVISED AUDIT REPORT R	EVIEW PRIORITY RATING	



CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA
1	С	L	М	5	1	С	L	М	5
REVISED AUDIT PRIORITY RATING JUSTIFICATION									



451	OBLIGATION: Transmission Licence, condition	on 4.1.1 / Electricity Industry Metering Code	e, clause 7.2(1)			
Type [NR]	Code participants must use reasonable endeavo of a telephone number for voice communication i	urs to ensure that they can send and receive n connection with the Code.	a notice by post, facsimile and electronic commun	nication and must notify the network operator		
	2016 Finding [472] – The Licensee has no movestern Power has the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the contact details and the licensee has no moves the l		2020 Findings – The Licensee has well establish telephone line, mobile telephone coverage, rem access. During the audit period there have been	ote system monitoring, and wireless internet		
	2016 Documents Reviewed – interviewed Se	enior HV Engineer, listed staff, inspected	· · · · · · · · · · · · · · · · · · ·			
	Transmission line. Documents: n/a.		2020 Documents/Evidence –			
	2016 Observations –		 Interview with Karara Mining Personnel; Senior Engineer HV Interview Electrical & Instrumentation Supervisor Electrical Superintendent 			
	Compliance indicated for;		Liectrical Superintendent			
	□Documents		2020 Observations:			
	□ Compliance		• Nil			
	□Process					
	□Outcome					
	□Output					
	□Reporting					
	□ Compliance					
-	2016 Controls Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:		
	NP	NR	A	1		
-	2016 Recommendation:		2020 Recommendation:	•		
	• Nil		• Nil			
-	2016 Action:		2020 Action:			
	• Nil		• Nil			
	2020 AUDIT PLAN PR	RIORITY RATING	2020 REVISED AUDIT REPORT	REVIEW PRIORITY RATING		



CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY
1	С	L	М	5	1	С	L	М	5
REVISED AUDI	T PRIORITY RATIN	G JUSTIFICATION		l.		l .			



452	OBLIGATION: Transmission Licence, condition	n 4.1.1 / Electricity Industry Metering Cod	e, clause 7.2(2)		
Type	A network operator must notify each Code partici	pant of its initial contact details and of any ch	ange to its contact	details at least 3 business days b	efore the change takes effect.
[2]	2016 Finding – NA		2020 Findings – in the Licensee's		e in ownership, there has not been a change
	2016 Documents Reviewed – NA				
	2016 Observations – NA		2020 Document Intervie	ew with Karara Mining Personnel; Senior Engineer HV	
	Compliance indicated for;		*	Interview Electrical & Instrume	entation Supervisor
	□Documents		*	Electrical Superintendent	
	□Compliance		2020 Observation	ons:	
	□Process		 Chang 	e in ownership has not been form	ally communicated.
	□Outcome		ABN h	as not changed due to change in	ownership.
	□Output		Contact	ct details have remained the same	•
	□Reporting				
	□Compliance				
	2016 Controls Rating:	2016 Performance Rating:	2020 Adequacy	<u> </u>	2020 Performance Rating:
	NA	NA		A	1
	2016 Recommendation: NA		2020 Recomment	ndation:	
	• NA		• INII		
	2016 Action:		2020 Action:		
	• NA		• Nil		
	2020 AUDIT PLAN PR	IORITY RATING	20	020 REVISED AUDIT REPORT R	EVIEW PRIORITY RATING



CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA
2	В	М	М	4	2	В	М	М	4
REVISED AUDIT	PRIORITY RATIN	G JUSTIFICATION							
No change perfo	rmance audit priority	/ rating.							



455	OBLIGATION: Transmission Licence, conditio	n 4.1.1 / Electricity Industry Metering Code	e, clause 7.5	
Type	A Code participant must subject to subclauses 5.1	7A and 7.6 not disclose, or permit the disclos	sure of, confidential information provided to it under o	r in connection with the Code and may only
[2]	use or reproduce confidential information for the p	ourpose for which it was disclosed or another	purpose contemplated by the Code.	
	2016 Finding – The Licensee has no meters with	all metering by Western Power. There has	2020 Findings – During the period 1 July 2016 to 3	0 June 2020, the Licensee was not required
	been no confidential information to disclose.		to disclose or permit the disclosure of confidential i	nformation in connection to the Code.
	2016 Documents Reviewed – interviewed Se	enior HV Engineer, listed staff, inspected	2020 Documents/Evidence –	
	Transmission line. Documents: n/a.		 Interview with Karara Mining Personnel; Senior Engineer HV 	
			❖ Serior Engineer HV ❖ Interview Electrical & Instrume	entation Supervisor
			 Electrical Superintendent 	mation oupervisor
	2016 Observations –		2 Eloculoui Gapoliinoliuolii	
	Compliance indicated for		2020 Observations:	
	Compliance indicated for;		• Nil	
	□ Documents			
	□ Compliance			
	□Process			
	□Outcome			
	□Output			
	□Reporting			
	□Compliance			
	2016 Controls Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:
	NP	NR	NP	NR
	2016 Recommendation:		2020 Recommendation:	
	• Nil		• Nil	
	2016 Action:		2020 Action:	
	• Nil		• Nil	
	2020 AUDIT PLAN PR	IORITY RATING	2020 REVISED AUDIT REPORT R	EVIEW PRIORITY RATING



		W=Weak					W=Weak	
С	М	М	4	2	С	М	М	4
)F	C	-	C M M			C M M 4 2 C		

No change performance audit priority rating.



456	OBLIGATION: Transmission Licence, condition	n 4.1.1 / Electricity Industry Metering Cod	e, clause 7.6(1)	
Туре	A Code participant must disclose or permit the dis	sclosure of confidential information that is req	uired to be disclosed by the Code.	
[2]	2016 Finding – The Licensee has no meters with been no confidential information to disclose.	all metering by Western Power. There has	2020 Findings – During the period 1 July 2016 to 3 to disclose or permit the disclosure of confidential	•
	2016 Documents Reviewed – interviewed Se	enior HV Engineer, listed staff, inspected	2020 Documents/Evidence –	
	Transmission line. Documents: n/a.		 Interview with Karara Mining Personnel; Senior Engineer HV 	
	2016 Observations –		Interview Electrical & InstrumeElectrical Superintendent	entation Supervisor
	Compliance indicated for;		0000 01	
	⊠Documents		2020 Observations: Nil	
	⊠Compliance		• INII	
	⊠Process			
	⊠Outcome			
	⊠Output			
	⊠Reporting			
	⊠Compliance			
	2016 Controls Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:
	NP	NR	NP	NR
	2016 Recommendation:		2020 Recommendation:	
	• Nil		• Nil	
	2016 Action:		2020 Action:	
	• Nil		• Nil	
	2020 AUDIT PLAN PR	IORITY RATING	2020 REVISED AUDIT REPORT R	REVIEW PRIORITY RATING



CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA
2	С	М	М	4	2	С	М	М	4
REVISED AUDI	T PRIORITY RATIN	G JUSTIFICATION		l .		I.		I	L



457	OBLIGATION: Transmission Licence, condition	n 4.1.1 / Electricity Industry Metering Code	e, clause 8.1(1)	
Туре				
[NR]	If any dispute arises between any Code participan party to the other disputing parties and attempt to	ts, then (subject to subclause 8.2(3)) represe resolve the dispute by negotiations in good for	ntatives of disputing parties must meet within 5 bu aith.	siness days after a notice given by a disputing
	2016 Finding – The Licensee has no meters with been no disputes to resolve.	all metering by Western Power. There have	2020 Findings – There have been no disputes a	arising during the audit period.
	2016 Documents Reviewed – interviewed Se Transmission line. Documents: n/a. 2016 Observations –	nior HV Engineer, listed staff, inspected	2020 Documents/Evidence −	
	2010 Observations –		2 Elbourbai Superinteriaerit	
	Compliance indicated for;		2020 Observations:	
	□Documents		•	cted and referred to Karara to respond who
	□Compliance		confirm no disputes during the audit p	eriod.
	□Process			
	□Outcome			
	□Output			
	□Reporting			
	□Compliance			
•	2016 Controls Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:
	NP	NR	NP	NR
-	2016 Recommendation:		2020 Recommendation:	
	• Nil		• Nil	
•	2016 Action:		2020 Action:	
<u></u>	• Nil		• Nil	
	2020 AUDIT PLAN PR	IORITY RATING	2020 REVISED AUDIT REPORT	REVIEW PRIORITY RATING



B=Probable C=Unlikely	Low Medium High	EXISTING CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/5/NA	1=Minor 2=Moderate 3=Major	A=Likely B=Probable C=Unlikely	Low Medium High	EXISTING CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/5/NA
С	L	М	5	1	С	L	М	5
•	C=Unlikely C	C=Unlikely High C L	C=Unlikely High S=Strong M=Moderate W=Weak C M	C=Unlikely High S=Strong M=Moderate W=Weak C L M 5	C=Unlikely High S=Strong M=Moderate W=Weak	C=Unlikely High S=Strong M=Moderate W=Weak 3=Major C=Unlikely C L M 5 1 C	C=Unlikely High S=Strong M=Moderate W=Weak 3=Major C=Unlikely High C L M 5 1 C L	C=Unlikely High S=Strong M=Moderate W=Weak S=Major C=Unlikely High S=Strong M=Moderate W=Weak S=Strong



458	OBLIGATION: Transmission Licence, condition	n 4.1.1 / Electricity Industry Metering Code	e, clause 8.1(2)		
Туре	If a dispute is not resolved within 10 business day	ys after the dispute is referred to representat	ve negotiations, the	e disputing parties must refer the	dispute to a senior management officer of
[NR]	each disputing party who must meet and attempt				
	2016 Finding – The Licensee has no meters with been no disputes to resolve.	all metering by Western Power. There have	2020 Findings –	There have been no disputes aris	sing during the audit period.
	2016 Documents Reviewed – interviewed Se Transmission line. Documents: n/a.	enior HV Engineer, listed staff, inspected	2020 Documents Intervier	k/Evidence – w with Karara Mining Personnel; Senior Engineer HV Interview Electrical & Instrume	entation Supervisor
	2016 Observations –		*	Electrical Superintendent	
	Compliance indicated for;		2020 Observation		
	□Documents			•	ed and referred to Karara to respond who
	□Compliance		confirm	no disputes during the audit peri	od.
	□Process				
	□Outcome				
	□Output				
	□Reporting				
	□Compliance				
-	2016 Controls Rating:	2016 Performance Rating:	2020 Adequacy F	Rating:	2020 Performance Rating:
	NP	NR		NP	NR
ŀ	2016 Recommendation:		2020 Recommen	dation:	
	• Nil		• Nil		
ļ	2016 Action:		2020 Action:		
	• Nil		• Nil		
	2020 AUDIT PLAN PR	IORITY RATING	20	20 REVISED AUDIT REPORT R	EVIEW PRIORITY RATING



CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY
1	С	L	М	5	1	С	L	М	5



459	OBLIGATION: Transmission Licence, condition	n 4.1.1 / Electricity Industry Metering Code	e, clause 8.1(3)		
Туре	M				
[NR]	If the dispute is not resolved within 10 business da of each disputing party who must meet and attem	ays after the dispute is referred to senior mana pt to resolve the dispute by negotiations in go	agement negotiation ood faith.	ns, the disputing parties must refe	er the dispute to the senior executive officer
	2016 Finding – The Licensee has no meters with been no disputes to resolve.	all metering by Western Power. There have	2020 Findings –	There have been no disputes aris	sing during the audit period.
	2016 Documents Reviewed – interviewed Se Transmission line. Documents: n/a.	nior HV Engineer, listed staff, inspected	2020 Documents Intervier	w with Karara Mining Personnel; Senior Engineer HV Interview Electrical & Instrume	entation Supervisor
	2016 Observations –		*	Electrical Superintendent	
	Compliance indicated for;		2020 Observation	ns:	
	□Documents			•	ed and referred to Karara to respond who
	□Compliance		confirm	no disputes during the audit peri	od.
	□Process				
	□Outcome				
	□Output				
	□Reporting				
	□ Compliance				
-	2016 Controls Rating:	2016 Performance Rating:	2020 Adequacy F	Rating:	2020 Performance Rating:
	NP	NR		NP	NR
•	2016 Recommendation:		2020 Recommen	dation:	
	• Nil		• Nil		
-	2016 Action:		2020 Action:		
	• Nil		• Nil		
	2020 AUDIT PLAN PR	IORITY RATING	20	20 REVISED AUDIT REPORT R	EVIEW PRIORITY RATING



1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY
1	С	М	М	4	1	С	М	М	4



460	OBLIGATION: Transmission Licence, condition	n 4.1.1 / Electricity Industry Metering Code	e, clause 8.1(4)		
Type [2]	If the dispute is resolved by representative negotial and adhere to the resolution.	ations, senior management negotiations or Cl	EO negotiations, the disputing pa	rties must prepare a	written and signed record of the resolution
	2016 Finding – The Licensee has no meters with been no disputes to resolve.	all metering by Western Power. There have	2020 Findings – There have be	een no disputes aris	sing during the audit period.
	2016 Documents Reviewed – interviewed Se Transmission line. Documents: n/a. 2016 Observations –	enior HV Engineer, listed staff, inspected			entation Supervisor
	Compliance indicated for;		2020 Observations:		
	□Documents		•		ed and referred to Karara to respond who
	□Compliance		confirm no disputes of	during the audit peri	od.
	□Process				
	□Outcome				
	□Output				
	□Reporting				
	□Compliance				
	2016 Controls Rating:	2016 Performance Rating:	2020 Adequacy Rating:		2020 Performance Rating:
	NP	NR	NP		NR
	2016 Recommendation:		2020 Recommendation:		
	• Nil		• Nil		
	2016 Action:		2020 Action:		
	• Nil		• Nil		
	2020 AUDIT PLAN PR	IORITY RATING	2020 REVISED	AUDIT REPORT R	EVIEW PRIORITY RATING



1=Minor 2=Moderate 3=Major	A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA
1	С	L	М	5	1	С	L	М	5
REVISED AUDI	T PRIORITY RATIN	 G JUSTIFICATION							



461	OBLIGATION: Transmission Licence, condition	n 4.1.1 / Electricity Industry Metering Code	e, clause 8.3(2)	
Type				
[NR]	The disputing parties must at all times conduct the			
	2016 Finding – The Licensee has no meters with been no disputes to resolve.	all metering by Western Power. There have	2020 Findings – There have been no disputes	arising during the audit period.
	2016 Documents Reviewed – interviewed Set Transmission line. Documents: n/a. 2016 Observations –	enior HV Engineer, listed staff, inspected	2020 Documents/Evidence −	
	Compliance indicated for;		2020 Observations:	
	□Documents		 Western Power Representative conta 	acted and referred to Karara to respond who
	□Compliance		confirm no disputes during the audit p	eriod.
	□Process			
	□Outcome			
	□Output			
	□Reporting			
	□Compliance			
-	2016 Controls Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:
	NP	NR	NP	NR
-	2016 Recommendation:		2020 Recommendation:	•
	• Nil		• Nil	
•	2016 Action:		2020 Action:	
	• Nil		• Nil	
	2020 AUDIT PLAN PR	IORITY RATING	2020 REVISED AUDIT REPORT	REVIEW PRIORITY RATING



	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	AUDIT PRIORITY 1/2/3/4/5/NA
	1	С	L	S	5	2	В	М	W	3
•	REVISED AUDIT	PRIORITY RATING	G JUSTIFICATION				L		L	
	No change to aud	lit priority rating.								

Note:

- * indicates obligation was reclassified during the audit period from NR to Type 2 (Refer Amendment Record Electricity Compliance Reporting Manual June 2020). Prior to this period the rating was NR.
- ** indicates identified as non-compliant in previous audit
- *** indicates identified as non-compliant in previous audit, included in post audit action plan and non-compliance during current audit period
- NP not possible to provide a controls rating because no activity has taken place to exercise the obligation during the audit period
- NA Not applicable to audit period and as such not assessed
- 2016 Compliance Ratings ☑ Compliant ☑ Non-Compliant ☐ Not Rated



APPENDIX 2

KARARA MINE LIMITED

ASSET MANAGEMENT REVIEW



Table 15 - Summary Review Recommendations

Review Finding

R1/2020 - Formalise and implement an AMS for the transmission line.

R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulatory and contractual requirements.

R3/2020 - Review the Asset Register to include asset type, location, material, plans of components, and an assessment of assets' physical/structural condition

R4/2020 - Undertake and record a risk assessment of the transmission line.

R5/2020 - Develop a risk based treatment plan to address issues identified to ensure ongoing compliance and/or accept residual risk. Operational controls should be evident in the AMS and detailed in the AMP i.e. acoustic and vegetation surveys.

R6/2020 – Develop and maintain a Compliance Register for the Electricity Transmission Licence and contractual requirements and allocate appropriate responsibilities for compliance.

R7/2020 – Ensure employees are adequately trained to understand the requirements of Electricity Transmission Licence and associated contractual documentation. Consideration could be given incorporating a review of their job descriptions and performance to ensure compliance was achieved.

R8/2020 – Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability.

R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review.

R10/2020 - Review and document contingency plans and consider risks

R11/2020 -Consider carrying out a second acoustic emissions test to establish the extent of any deterioration and address any significant defects. The limitation to operations is understood as such instead of organising an outage for inspection/repair of known defects this approach could allow clearer definition of scope for a planned line outage should it be deemed necessary

R12/2020 - Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation.

R13/2020 – Implement INX or other appropriate system to record non standard performances and report to management to ensure compliance and performance of the transmission line.

R14/2020 - Review upgrading SCADA system or a simpler dedicated Transmission line data acquisition system.

R15/2020 – Identify, record and document operational and maintenance costing and detail how they are monitored by Licensee.

R16/2020 - Monitor line losses and MVAr performance.

R17/2020 – Incorporate asset disposal plan in the AMP, ensure process established for disposal/replacement alternatives and review organisational procedures for asset disposal. Include costs for disposal or refurbishment in the life cycle spreadsheet

R18/2020 - Monitor the Company and Consolidated Entity's financial performance to ensure that it is a going concern.

R19/2020 – Review Karara Mining 330kV Powerline Contingency Desktop Audit 20/4/17 and implement recommendations or critically review and document findings and management action



Table 16 Audit Review Ratings and Recommendations

☐ Assess th ☐ Assess w ☐ Assess w Key Proces the right pric	ne adequacy of the asset planning process the adequacy of the asset management plan the and implemented in practice the the asset management plan is up-to-date and implemented in practice the the asset management plan clearly assigns responsibilities and whether these have been the asset planning strategies focuses on meeting customer needs in the most effective and effice	ient manner (delivering the right service at	ADEQUACY RATING	PERFORMANCE RATING 4
No.	2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIF	FICATION/FINDING/ACTI	ON
1.1	OBLIGATION: Asset management plan covers the processes in this table			
	 2016 Finding – The AMP meets this criterion. 2016 Documents Reviewed – Transmission Licence, Asset Register, Environmental Plans and Approvals, Spares List, Commissioning Plans, Karara Mining energy budget, Reticulation plans, Asset management plan, Risk management policy, Risk register, Project management manual, As constructed details, Financial philosophy (Plan) 2016 Observations – The asset management has to be in the context of the licensed operations as part of the business of the company, which is mining. The licensed facilities primarily exist to facilitate mining and are governed by the life of the mine. The life cycle of Transmission assets is usually much longer than the life of a mine. Asset planning will be subservient to mine planning, that is, there will be no planning for expansion of the licensed assets that are not dependent on a 	2020 Findings — The asset planning proc Line. There was no formal AMS established The Licensee was unable to provide a plan previous Audit & Review Report (refer 2016 AMS exist within the organisation with information systems. However, these were operation and many were found to be from a The Licensees' Electricity Transmission Lie was documented, adequate, maintained, in evidence to support this.	d. There was no document or or document that matches Observations). It was not respect to policies, plan only observed to be impler construction and not review cence (ETL6) requires that implemented, assigned and planning such as asset planning such as asset planting or document that is the planning such as asset planting that is the planting such as asset planting or document.	ted Asset Management Plan. ed the elements stated in the ted that some elements of an s, business processes and mented in relation to the mine wed for operational purposes. t the Asset Planning process d actioned and there was no
	mining development. Given this context the plan is appropriate for the scale and nature of the business. The internal reviews of the AMP to be scheduled.	It was noted that the Mine life was potent were for 30MTpa for 30 years, however, it Although unlikely, it is not unforeseeable	was operationally perform	ing at approximately 8MTpa.



The asset management plan consists of following parts: Purpose of the Asset Management Plan (AMP) Key Stakeholders Future Power Transmission Demand Risk Management Financials Disposal of Eneabba to Three Springs 330kV Transmission Line Land Access Supply Reliability Maintenance (Eneabba 132kV Substation to Three Springs Terminal) Maintenance (Three Springs Terminal to Karara's Mine) Corona and Thermal Imaging Photos and Drawings Annual Inspections Spares Emergency and Breakdown Evaluation of Asset Performance

become aligned in life expectancy. The Audit Team was of the opinion that Asset Management System was inadequate for the nature and scale of the business and compliance with its Electricity Transmission Licence. There was no asset disposal process documented.

Given that the Audit Team did not locate the following documentation relating to the Transmission Line; asset management plan, business plan, asset register (copy sighted was financial only does not consider condition), spares (no spares were held), risk register, maintenance schedule or identify and condition monitoring undertaken prior to the current audit period (i.e. corona or thermal imaging). It became evident, during the site audit, that the evidence obtained during the audit period was inconsistent with other evidence previously obtained. It was our opinion that the internal reviews of the AMS, as recommended in the previous Audit & Review Report, documented in SAP (reference SAP Work Order 40020231) were found to be ineffective, unsubstantiated and conditions may indicate likely misstatement e.g. SAP entry that reviews of AMS had been carried out. There was no evidence attached to verify SAP records and in the absence of an effective AMS they were considered ineffectual.

2020 Documents/Evidence -

1, 31, 32, 33, 34, 35, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 50, 51, 54, 55, 83, 84, 95, 165

2020 Observations: -

- No documented asset management system or AMP was provided.
- Aspects of an AMS were available on the Karara internal portal and information systems but many documents had not been revised since the commissioning of the operations and as such were obsolete.
- There was no asset creation during the audit period
- There was no asset disposal during the audit period
- No decommissioning plan has been established
- Employees were not aware of how to utilise the organisations document management system. Retrieval and storage of documentation was not well demonstrated as indicated by the protracted timeframe for the delivery of documentation for the audit and review.
 Training in the use of document management system was not evident
- Staff were unaware of many of the documents/forms requested.



			 330kV substation also apply to the transwere no specific references to the transwere no specific references to the transformation. Operation was by Western Power but nout did not meet contractual requiremen Routine line inspections were not incorpledentified defects were not entered into some contraction. No documented minutes relating to decise Survey see recommendation A4/R13/20 No contingency plan has been formally on the Norisk analyses for the transmission line. A Karara Mining 330kV Powerline Connoted some risks but was never acted upout footer has 30/5/17. Doubt as to finaling Team on 28/10/20. Asset register was financial only and define. Majority of the documents reviewed have. No formalised maintenance routines for vegetation inspections and acoustic surunclear what impacts this will have on the contraction. 	naintenance by KML. The maintenance carried its. orated in the SAP asset maintenance process. SAP for action sions to not act upon Transmission Line Acoustic 20 documented and testing appears inadequate e have been undertaken intingency Desktop Audit was undertaken and upon nor critically reviewed (Note dated 20/4/17 by of report which was only provided to the Audit does not consider condition for the transmission in the note of the entity of the
201	6 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:
	A	1	D	4
201	6 Recommendation:		2020 Recommendation:	
	Schedule internal reviews of AMP.		R1/2020 – Formalise and implement an	
				AMP for the Transmission Line compliant to
			regulatory and contractual requirements	
			R3/2020 - Review the Asset Register to components, and an assessment of ass	include asset type, location, material, plans of
			components, and an assessment of ass	cio priyoleai/ottuctural cortuition.



- R4/2020 Undertake and record a risk assessment of the transmission line.
- R5/2020 Develop a risk based treatment plan to address issues identified to ensure
 ongoing compliance and/or accept residual risk. Operational controls should be evident
 in the AMS and detailed in the AMP i.e. acoustic and vegetation surveys.
- R6/2020 Develop and maintain a Compliance Register for the Electricity Transmission
 Licence and contractual requirements and allocate appropriate responsibilities for
 compliance.
- R7/2020 Ensure employees are adequately trained to understand the requirements of Electricity Transmission Licence and associated contractual documentation.
 Consideration could be given incorporating a review of their job descriptions and performance to ensure compliance was achieved.
- R8/2020 Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability.
- R9/2020 Utilise SAP for planning of inspection and maintenance work, such as acoustic surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review.
- R10/2020 Review and document contingency plans and consider risks
- R11/2020 -Consider carrying out a second acoustic emissions test to establish the extent of any deterioration and address any significant defects. The limitation to operations is understood as such instead of organising an outage for inspection/repair of known defects this approach could allow clearer definition of scope for a planned line outage should it be deemed necessary
- R12/2020 Establish internal audit processes to monitor risks and ensure compliance with Electricity Transmission Licence requirements and other contractual documentation.
- R13/2020 Implement INX or other appropriate system to record non-standard performances and report to management to ensure compliance and performance of the transmission line.
- R14/2020 Review upgrading SCADA system or a simpler dedicated Transmission line data acquisition system.
- R15/2020 Identify, record and document operational and maintenance costing and detail how they are monitored by Licensee.



					• R19/20 and in		a Mining 330kV F	performance. Powerline Contingend tically review and	
2016 Action:					2020 Action:				
	dered a misstatemen		ut no AMP or AMS	defined as such	• Refer	Post Review Action	riaii		
	2020 AUD	OIT PLAN PRIOF	RITY RATING			2020 REVISED AU	DIT REPORT R	EVIEW PRIORITY R	ATING
CONSEQUENCE 1=Minor 2=Moderate 3=Major	2020 AUD RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RIS Low Medium High		REVIEW PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	2020 REVISED AU RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RIS Low Medium High		REVIEW PRIORIT

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. The previous Review refers to an AMP and gives content headings but this could not be located by Karara. The site visit failed to identify the documentation required and given the lack of comprehension by the Licensee personnel to the requirements of the Transmission Licence, the absence of substantive documentation and the observations made on site the Review Priority has been revised as above.



No.	2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE/ /VERIFICATION/FINDING/ACTION
1.2	OBLIGATION: Planning processes and objectives reflect the needs of all stakeholders and a	are integrated with business planning
	2016 Finding – The AMP meets this criterion and reflects the needs of all stakeholders and is integrated with business planning 2016 Documents Reviewed – Transmission Licence, Asset Register, Environmental Plans and Approvals, Spares List, Commissioning Plans, Karara Mining energy budget, Reticulation plans, Asset management plan, Risk management policy, Risk register, Project management manual, As constructed details, Financial philosophy (Plan) 2016 Observations – As detailed in 1.1	2020 Finding – It was acknowledged that Transmission Lines by virtue of function were associated with high construction costs and limited operation and maintenance expenditure. As such, there have been no significant planning processes undertaken during the audit period and no new works were planned in relation to the Transmission Line. However, planning processes include risk management and cost/benefit analysis. Costs associated with routine maintenance inspections and line losses were not identified in the financial documentation sighted. It was understood they have been absorbed in overall operating budgets. The needs of stakeholders were considered but not documented in a formal manner. It was evident compliance with the Electricity Transmission Licence and some contractual obligations have not been met during the audit period, for example the failure to develop an asset management plan. Development of an AMP would help to identify any specific considerations required for the business planning process. It was understood there
		 was some level of dispute with land holders but not impacting the transmission line corridor 2020 Documents/Evidence – 1, 2, 3, 5, 39, 40, 41, 42, 43, 44, 45, 46, 50, 51, 95, 99, 101, 125, 165, 166, 167 2020 Observations: Documentation provided was not detailed enough to identify asset planning processes for the transmission line, i.e. absence of AMP, risk register, etc. Maintenance planning for the transmission line was deficient. Ellipse changed over to SAP during audit period.(during 2018, specific date not provided) Neither Ellipse nor SAP had planned maintenance for the transmission line nor any defects detected entered i.e. acoustic survey defects No documented evidence of decisions not to undertake the defect recommendations in the suggested timeframe. SAP only had review of Contingency Plan and AMS as being planned and performed but no evidence was attached or provided to support the nature of the review. No formalised contingency plan has been developed. WPC wheeling contract required an AMP to be submitted and maintained but none available. Awareness by personnel to the requirement was not evident. ERA require an AMP for the transmission licence to be granted. It was understood that a template was submitted with the application for the licence (due the timeline of the



		subsequent audits and reviews ERA's compliance requirement Western Power performance runclear whether contractual re AMP Relationships with landowners Liaison Officer. Systems for stakeholder and be established Roles and responsibilities of compliance was understood an	equirements were generally achieved, however, it was porting requirements were met, i.e. development of an a have improved with the use of a 'local' Community business planning consideration have not been formally key personnel have not been documented to ensure dischieved
2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:
Α	1	С	4
2016 Recommendations:	L	2020 Recommendation:	
• Nil		 R2/2020 - Develop and imple regulatory and contractual requipation. R3/2020 - Review the Asset Recomponents, and an assessme R4/2020 - Undertake and recording the AMS and detailed in the AMS and detailed in the AMS and detailed in the AMS and contractual requipation. R6/2020 - Develop and maintate Licence and contractual requipation. R7/2020 - Ensure employees a Electricity Transmission Licence Consideration could be given performance to ensure compliance. R8/2020 - Review and imple 	egister to include asset type, location, material, plans of ent of assets' physical/structural condition. In a risk assessment of the transmission line. In a treatment plan to address issues identified to ensure expet residual risk. Operational controls should be evident an a Compliance Register for the Electricity Transmission direments and allocate appropriate responsibilities for the adequately trained to understand the requirements of the ence and associated contractual documentation. Incorporating a review of their job descriptions and

revised as above.



9949 Autim					survey are ve entries • R10/20 • R15/20 detail I	rs, vegetation survey rifiable with supports should be subject to the common of the co	ys, corona, etc and rting evidence and to third party reviev ocument contingen ord and document	compliance required maintenance costs. To plans and consi	sts are detailed. (der risks
2016 Action:					2020 Action:				
• Nil					Refer I	Post Review Action	Plan		
	2020 AUDIT	PLAN PRIOR	ITY RATING			2020 REVISED AU	IDIT REPORT RE	/IEW PRIORITY R	ATING
CONSEQUENCE 1=Minor 2=Moderate 3=Major	2020 AUDIT RISK LIKELIHOOD A=Likely B=Probable C=Unlikely		ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	2020 REVISED AU RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	IDIT REPORT REV INHERENT RISK Low Medium High		ATING REVIEW PRIORITY 1/2/3/4/5/NA

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. It was noted that Karara was the sole consumer and a Wheeling contract with Wester Power was in place. Although power supply and quality requirements were generally addressed there was little indication in respect to the Transmission Line of specific business planning or all stakeholders being considered. As such, the Review Priority has been



).	2016 AUDIT REPORT EVIDENCE//VERIFI	CATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION	DN/FINDING/ACTION
3	OBLIGATION: Service levels are defined i	n the Asset Management Plan		
	Approvals, Spares List, Commissioning Plan	n Licence, Asset Register, Environmental Plans and s, Karara Mining energy budget, Reticulation plans, policy, Risk register, Project management manual,	 the line appeared to be satisfactory. The mine has had a reliable power suppose. ERA's licencing requirement have clear respect to Asset Management System. Technical Rules relaxed for Karara as power. The Wheeling Agreement defines WP's Grove. 	Management Plan developed for the licence. As the AMP. Service levels with WPC and the mine terments. However, those with other stakeholders derived in a timely manner but performance of ally from the transmission line. By not been understood or met particularly with art of Western Power's exemption. The requirements for the 132kV supply to Golden as defines some of the performance requirements burchase
	2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:
	A	1	D	3
	2016 Recommendations:		2020 Recommendation:	
	• Nil		R1/2020 – Formalise and implement an	
			· · · · · · · · · · · · · · · · · · ·	AMP for the Transmission Line compliant to
			regulatory and contractual requirements	



2	С	M	М	4	2	В	М	W	3
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORI
	2020 AUDIT	PLAN PRIORITY	RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING				
2016 Action: • Nil					2020 Action: • Refer	Post Review Action	Plan		
					Electr Consi perfor • R12/2 with	ricity Transmission deration could be commance to ensure corected - Electricity Transmentation.	Licence and a given incorporating mpliance was achie ral audit processe	associated contr a review of the eved. s to monitor risks	actual docume ir job description and ensure com
					Liceno comp	120 – Develop and make and contractual liance. 120 – Ensure employ.	requirements and	allocate appropri	riate responsibili



2016 AUDIT REP	ORT EVIDENCE/ /VE	RIFICATION	/FINDI	NG/ACTION		2020 AUDIT RE	PORT EVIDENCE/	VERIFICATION	ON/FIN	NDING/ACTION	
OBLIGATION: Non-asset options (e.g. demand management) are considered											
2016 Finding - T	The AMS is substantia	ally about ut	ilizatior	n of the current a	ssets and no new	2020 Finding -	Demand managem	ent and non-a	asset	options have not	been considered as
proposals are likely	y outside mining devel	opment. Furt	her ass	set options are unli	kely and non-asset	Licensee (i.e. the	e mine) was the only	y customer. T	he Lic	ence relates to th	e transmission line o
options such as be	etter utilization of the	current asse	ts will b	e most likely for o	capacity increases.	and not the subs	tation and load.				
The current assets	have scope for expar	ision.									
						2020 Document	s reviewed - 49				
2016 Documents	16 Documents Reviewed – Transmission Licence, Asset Register, Environmental Plans and										
Approvals, Spares	List, Commissioning I	Plans, Karara	g energy budget, F	Reticulation plans,	2020 Observation						
•	set management plan, Risk management policy, Risk register, Project management manual, constructed details, Financial philosophy (Plan)						ad profile was a flat 7 ctual transfer rate w		he mir	ne was operating a	and the transmissior
	o obligation dotallo, . Harroral princoopris (Fidin)						ad was mine driver	n and outside	of th	e licenced facility	however Initially F
2016 Observation	016 Observations – As detailed in 1.1						/ Management and	from 2017	Metro	Power monitored	mine loads and
							forecasts to advise on peak load management. We were advised that this provided cost				
							savings.				
							Again outside of the licensed facility the reactive compensator that was part of the				
						substa	tion has significantl	y reduced the	e reac	tive power requir	ements with associ
						financial savings.					
2016 Adequacy R	lating:		2016	Performance Ra	ting:	2020 Adequacy Rating: 2020 Performance Rating:					
	Α			1	_	' ' '				NR	
2016 Recommend	dations:		2016	Action:		2020 Recommendation: 2020 Action:					
• Nil				• Nil		• Nil					
	2020 AUDIT	PLAN PRIC	ORITY	RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING					
CONSEQUENCE				RISK ADEQUACY OF REVIEW PRIORITY		CONSEQUENCE	RISK LIKELIHOOD		RISK	ADEQUACY OF	REVIEW PRIORITY
1=Minor 2=Moderate	A=Likely B=Probable	Low Medium		EXISTING CONTROLS	1/2/3/4/5/NA	1=Minor 2=Moderate	A=Likely B=Probable	Low Medium		EXISTING CONTROLS	1/2/3/4/5/NA
3=Major	C=Unlikely	High		S=Strong M=Moderate W=Weak		3=Major	C=Unlikely	High		S=Strong M=Moderate W=Weak	
1	С	L		M	5	1	С	L		M	5
1 C L M 5											



	Non-asset options considered unlikely. No change wa	as made to the Audit Priority rating.					
No.	2016 AUDIT REPORT EVIDENCE//VERIFICATION	/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION	DN/FINDING/ACTION			
1.5	OBLIGATION: Lifecycle costs of owning and open						
	2016 Finding –The AMP meets this criterion with life assessed as part of the existing mine infrastructure a which is generally shorter than network asset life, is licosting. The capital cost will be considered and coster of the electrical assets cost viability in its own right. Some requirement for the assets with mine profitability and considered and coster of the electrical assets cost viability in its own right. Some requirement for the assets with mine profitability and considered assets with mine profitability and constructed planks. Commissioning Plans, Karara Asset management plan, Risk management policy, Ras constructed details, Financial philosophy (Plan) constructed details, Financial philosophy (Plan) constructed details.	and any future mining proposals. Mine life, kely to be the determining factor of lifecycle in mine project feasibility and not in terms ervicing the mines is the dominant metal prices being the major driving force e, Asset Register, Environmental Plans and a Mining energy budget, Reticulation plans,	Financials Asset Register. It was noted that, personnel responsible for planning and acquisition decisions differ from the responsible for operation and disposal of the assets. It appears issues may have arisen due to the fragmentation of management responsibilities for assets over their life-cycle. The Licensee need to ensure that leadership and accountability for the activities associated with each stage of the second control of the				
			tower listed as an asset Long term contracts with Verve (Synergy in the mine operations Noted that the Electricity Transmission I Environmental Licence (L8721/2013/1) of Life cycle costing should be incorporated. SAP not used for asset planning process maintenance, information management,	d in the development of the AMP sees i.e. asset operations, such as, monitoring, asset valuation, utilisation and functionality.			
	2016 Adequacy Rating: A	2016 Performance Rating: 1	2020 Adequacy Rating: C	2020 Performance Rating: 3			



2016 Recommend	dations:				2020 Recommendation:					
• Nil					R1/2020 – Formalise and implement an AMS for the transmission line.					
					• R2/20	20 - Develop and i	mplement an AMP	for the Transmi	ssion Line complia	
					regula	tory and contractual	requirements.		•	
						20 - Review the Ass	•	de asset type, lo	cation, material, pla	
						onents, and an asses	· ·			
						20 - Utilise SAP for p	•	•		
						s, vegetation survey				
					are verifiable with supporting evidence and maintenance costs are detailed. Critic entries should be subject to third party review. 2020 Action:					
2016 Action:										
• Nil					Refer Post Review Action Plan 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING					
	2020 AUDIT	PLAN PRIORITY	RATING							
	2020 710211					2020 11211025 710	211 KZI 0KI KZV			
CONSEQUENCE 1=Minor	RISK LIKELIHOOD A=Likely	INHERENT RISK Low	ADEQUACY OF EXISTING	REVIEW PRIORITY	CONSEQUENCE 1=Minor	RISK LIKELIHOOD A=Likely	INHERENT RISK Low	ADEQUACY OF EXISTING	REVIEW PRIORITY	
2=Moderate	B=Probable	Medium	CONTROLS	1/2/3/4/5/NA	2=Moderate	B=Probable	Medium	CONTROLS	1/2/3/4/5/NA	
3=Major	C=Unlikely	High	S=Strong M=Moderate		3=Major	C=Unlikely	High	S=Strong M=Moderate		
			W=Weak					W=Weak		
2	С	М	М	4	2	В	М	М	4	
REVISED REVIEW	V PRIORITY RATING	JUSTIFICATION	1	I	Ш	1	I	I		
REVISED REVIEW PRIORITY RATING JUSTIFICATION Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan,										
Very limited docum	nentation was provided	by Karara for the	preparation of the	Audit & Review Plan	n, as such the Audi	t Priority Ratings in t	he Audit Plan were	based on publicly	/ available	



No.	2016 AUDIT RE	PORT EVIDENCE/	/VERIFICAT	ION/FINDING/ACTION		2020 AUDIT RE	PORT EVIDENCE/	VERIFICATION	ON/FIN	IDING/ACTION		
1.6	OBLIGATION: F	Funding options are	e evaluated									
	analysis of the	expected life of the	e electrical a	ken on mining project fea assets. Funding is dete provided for expansion	rmined by what is	2020 Documen	ts reviewed – 7, 12,		e asse	ssed in relation to	o the Transmission Line.	
	and Approvals, S Reticulation plar management ma	ss Reviewed – Tran Spares List, Commis is, Asset manageme anual, As constructed ons – As detailed in	Transmission Line operational expenses included in the mine operational budgets. Procurement policies and procedures were provided (although out dated). However, the application to vegetation and acoustic surveys was not demonstrated. .									
	2016 Adequacy	Rating:		2016 Performance Ra	iting:	2020 Adequacy	Rating:		2020 Performance Rating:			
		Α		1			NR		NR			
	2016 Recomme • Nil	ndations:		2016 Action:		2020 Recomme • Nil	2020 Recommendation: 2020 Action: Nil Nil					
		2020 AUD	IT PLAN PR	RIORITY RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING					ATING	
	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	
	2	С	М	М	4	2	В	М		М	4	
	REVISED REVII	EW PRIORITY RATI	NG JUSTIFI	CATION		<u> </u>	<u> </u>	1				
		and the previous Ass		•	•			ed on publicly available ck of data the likelihood				



No.	2016 AUDIT REPORT EVIDENCE/ /VERIFICAT	TON/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATI	ON/FINDING/ACTION			
1.7	OBLIGATION: Costs are justified and cost dri	vers identified					
	2016 Finding – Financial decisions are often feasibility rather than analysis of the expecte determined by what is necessary to serve min justification of costs and identification of cost d supply.	d life of the electrical assets. Funding is ing functions. Any proposal would include	and cost drivers were identified with respect to the Transmission Line. A Procurement Policy and Purchasing Procedure have been established but were considerably out of date and have not been				
	2016 Documents Reviewed – Transmission Liand Approvals, Spares List, Commissioning Plant plans, Asset management plan, Risk management manual, As constructed details, Financial philosoft 2016 Observations – As detailed in 1.1	s, Karara Mining energy budget, Reticulation nt policy, Risk register, Project management	on and a significant significa				
	2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating: NR			
	2016 Recommendations:		2020 Recommendation:				
	• Nil		 R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulate and contractual requirements. R4/2020 - Undertake and record a risk assessment of the transmission line. R5/2020 - Develop a risk based treatment plan to address issues identified to ensurongoing compliance and/or accept residual risk. Operational controls should be evident the AMS and detailed in the AMP i.e. acoustic and vegetation surveys. R8/2020 - Review and implement a Document Management System incorporating exist policies, procedures and supporting documentation for currency and applicability. R10/2020 - Review and document contingency plans and consider risks R11/2020 - Consider carrying out a second acoustic emissions test to establish the extroof any deterioration and address any significant defects. The limitation to operations understood as such instead of organising an outage for inspection/repair of known defe 				



					this approa		arer definition of sco	ope for a planned li	ine outage should it be	
2016 Action:					2020 Action:					
• Nil					Refer F	Post Review Action	Plan			
	2020 AUD	IT PLAN PRIORIT	Y RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING					
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA	
2	С	М	М	4	2	В	М	М	4	

REVISED REVIEW PRIORITY RATING JUSTIFICATION

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. No capital works were anticipated as the transmission line had already been built but with the lack of data the likelihood was increased to Probable.



No.	2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION
1.8	OBLIGATION: Likelihood and consequences of asset failure are predicted	
	2016 Finding – The evaluation of risks addressed in the AMP cover the aspects of asset failure and consequences.	2020 Finding – Likelihood and consequences of asset failure have not been evaluated and had strategic responses defined. Risk of asset failure consequences and response have not been documented and no policy was presented.
	 2016 Documents Reviewed – Transmission Licence, Asset Register, Environmental Plans and Approvals, Spares List, Commissioning Plans, Karara Mining energy budget, Reticulation plans, Asset management plan, Risk management policy, Risk register, Project management manual, As constructed details, Financial philosophy (Plan) 2016 Observations – As detailed in 1.1 	It was noted the Licensee undertook a Karara Mining 330kV Powerline Contingency Desktop Audit in April 2017. The report was provided to the audit team on 28/10/20 and was not finalised nor acted upon. The document itself identified many of the concerns raised by this audit report, however, no action was undertaken by management. Retrieval of the final copy of the report was not possible as document system was not used to file report.
		2020 Documents reviewed – 1, 2, 3, 9, 14, 19, 40, 41, 44, 45, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 84, 100, 108, 109, 165
		 The only contingency plan in place was the use of back-up generators during outages or supply restrictions. These only covered administration and camp loads and production has to cease. Although unlikely the collapse of tower(s) had not been evaluated and there was no documented risk assessment in relation to the Transmission Line, There was no spares stockholding. Recommendations from the acoustic testing (ultrasonic partial discharge) of the line appear to have not been addressed in SAP one defect was given a P2 level in March 2018 with the recommendation that it was addressed within 3 months. It was noted that 2.5 years since recommendation made it hadn't been entered into SAP as planned work or documented as to why decision to postpone or discount recommendation occurred. This was contrary to the WP maintenance agreement and exposes the business to insurance risk Record inspection results and actions required in SAP and plan rectification where applicable Document and justify recommendations not act upon.



					 Seek advice from internal Legal Counsel with respect to insurances Karara Mining 330kV Powerline Contingency Desktop Audit would form solid found for the development of a risk assessment process for the transmission line. 							
2016 Adequacy	Rating:	201	6 Performance Ra 1	ting:	2020 Adequacy	Rating:	:	2020 Performance R	ating:			
			ews in 2 years and f	ormal review every	regulat R4/202 R5/202 ongoing in the A R10/20 R11/20 extent operati of know outage R19/20 and im	20 - Develop and it ory and contractual 20 - Undertake and 20 - Develop a risk grompliance and/o AMS and detailed in 120 - Review and do 120 - Consider car of any deteriorations is understood any defects this appropriate the second of the s	requirements. record a risk assibased treatment accept residual the AMP i.e. accomment contingerying out a section and address as such instead roach could allowed necessary a Mining 330kV F	sessment of the trans at plan to address issal risk. Operational coccustic and vegetation ency plans and consiond acoustic emissions any significant deforganising an outant clearer definition of	ues identified to ensure ntrols should be eviden a surveys.			
• Not yet im	plemented by the e	nd of the previous	audit period.		2020 Action: • Refer Pos	t Review Action Pla	n					
		OIT PLAN PRIORIT						EVIEW PRIORITY R	-			
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RIS Low Medium High	SK ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA			
	С		1		2		Н					



REVISED REVIEW PRIORITY RATING JUSTIFICATION

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Early discussions and previous Asset Management Review implied potential failures had been considered, evidence in site visit inconsistent with other evidence obtain.



No.	2016 AUDIT REPORT EVIDENCE//VERIFICA	ATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION	ON/FINDING/ACTION
1.9	OBLIGATION: Asset management plan is re	gularly reviewed and updated		
	2016 Finding – The AMP meets this criterion assigned to the Superintendent Electrical Maint place and would be the basis for the AMP review in 2014 and 5 yearly formal reviews of the AMF 2016 Documents Reviewed – Transmission and Approvals, Spares List, Commissioning Plaplans, Asset management plan, Risk managemental, As constructed details, Financial philosophy 2016 Observations – As detailed in 1.1	enance. Annual performance reviews that take w. It was proposed that it be reviewed internally of thereafter. Licence, Asset Register, Environmental Plans ans, Karara Mining energy budget, Reticulation ment policy, Risk register, Project management	 audit period and to his knowledge there Transmission Line No overarching AMS was provided. Although SAP records implied that the evidence was provided and no versions Cited documents above have not been a Both the previous Asset Management R no action on the Post-Review Implement Regular review and update the AMP no once it is created. 	at. As such it was unlikely that any reviews 33, 84, 95, uperintendent has indicated that during the has not been a documented AMP for the AMS had been reviewed no substantive of the AMS were available. reviewed during the audit period. teviewes identified this as a shortcoming but
	2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:
	B	1	D	NR
	2016 Recommendations: • Nil		R1/2020 – Formalise and implement an	
			 R2/2020 - Develop and implement an A regulatory and contractual requirements 	MP for the Transmission Line compliant to
			• R7/2020 - Ensure employees are	adequately trained to understand the ion Licence and associated contractual



2	В	М	W	3	2	Α	М	W	3
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/
	2020 AUD	IT PLAN PRIORIT	Y RATING		20	20 REVISED AUDI	T REPORT REVIE	W PRIORITY RAT	ING
Nil						Review Action Pla	n		
2016 Action:					contract 2020 Action:	tual documentation	l .		
						ance with Electric	-	Licence requirer	nents and
						20 - Establish in	•		
					existinç applica	g policies, procedu bility	ires and supportin	ig documentation	tor currency
						0 – Review and imp		,	•
					descrip	tions and performa	nce to ensure comp	oliance is achieved	
					docume	entation. Considera	ation could be give	n incorporating a	review of the

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available

documentation and the previous Asset Management Review. No Asset Management Plan could be located which indicates serious deficiencies and risk likelihood was increased.



2. AS	SET CREATION AND ACQUISITION		ADEQUACY RATING	PERFORMANCE RATING
□ Sel	sess the adequacy of policies and procedures covering the creation and acquisition of assets ect a sample of asset creations/ acquisitions over the review period and confirm adequate process predicted	edures have been followed and actual costs		
Key F	Process – Asset creation/acquisition is the provision or improvement of assets.		C	3
	ome – The asset acquisition framework is economic, efficient and cost-effective; it reduces demanders service delivery.	nd for new assets, lowers service costs and		
No.	2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIF	FICATION/FINDING/ACT	TION
2.1	OBLIGATION: Full project evaluations are undertaken for new assets, including compar	rative assessment of non-asset options		
	2016 Finding – Asset creation is unlikely outside of mining development or expansion. In that	2020 Finding - There has been no require	ement to undertake full pr	oject evaluations for new
	circumstance, there will be comprehensive assessment of creation options and justified as	assets created during reporting period.		
	part of the mining project. Non-asset creating solutions would need to be considered against			
	existing capacity and the ability of mine expansion to operate within the capacity. Significant	2020 Documents reviewed -95		
	demand management is not likely to be acceptable or satisfy the mine where expansion is			
	required. The most likely options are to utilize existing capacity of the current network or	2020 Observations:		
	upgrading.	No new works in reporting period		
		No new assets were planned within The transmission line has the capable		Jacian conchility of the
	2016 Documents Reviewed – Asset Register, Commissioning Plans, Reticulation plans,	The transmission line has the capab mine	only of supplying the full t	design capability of the
	Asset management plan, Project management manual, as constructed details, Sample tender	No project evaluation or project mar	nagement documentation	presented.
	documents were sighted and seen to be comprehensive.			
	2016 Observations – The procurement processes are appropriate.			
	Policies and procedures for asset creation / sample creation activities			
	Procurement of major electricity plant is a very significant exercise taking considerable time.			
	There are documented procedures for creation of fixed assets. There has been no creation in			
	the review period.			
l	Meeting statutory obligations			



	andards that deal with	i non-compii	anc e a	na ine maacion pi	ocess covers mese						
obligations.											
	ion processes are ap			. ,	•						
standard engine	ering specifications p	repared. The	e Proje	ct execution plan r	equires compliance						
with Australian S	Standards and Codes	and Govern	ment i	Acts and Regulation	ons						
2016 Adequacy	016 Adequacy Rating: 2016 Performance Rating:						Rating:		202	0 Performance Ra	ting:
	NR NR						NR			NR	
2016 Recomme	endations:		2016	Action:		2020 Recomme	ndation:		202	0 Action:	
• Nil	• Nil					• Nil			• Nil		
	2020 AUD	IT PLAN PR	IORIT	Y RATING		20	020 REVISED AUDI	T REPORT I	REVIE	W PRIORITY RAT	ING
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/5/
2	В	М		М	4	2	В	М		М	4
REVISED REVI	EW PRIORITY RATI	NG JUSTIFI	CATIC	N		U		ı		1	1
	in the auditing perio		L	haaaa ta aataata	- t'						



2016 AUDIT RE	PORT EVIDENCE/	/VERIFICAT	ION/FIN	IDING/ACTION		2020 AUDIT REP	PORT EVIDENCE/	VERIFICATION	ON/FII	NDING/ACTION		
OBLIGATION: E	Evaluations include	all life-cycle	e costs	<u> </u>								
2016 Finding –	Asset creation is unl	ikely outside	of minir	ng development or	r expansion where	e 2020 Finding - No life cycle costing or policy presented and no capital works in the audi						
the capital cost	is considered as par	rt of the life o	cycle co	st of the mine dev	velopment. In that	period in relation	to asset creation. N	lo evaluations	unde	rtaken during the a	audit period.	
circumstance, th	ere will be comprehe	ensive assess	sment of	f life cycle costs. T	he life of the asset					-		
is much more li	ikely to be determin	ned by the li	ife of th	ne mine rather the	an the life of the	2020 Documents	s reviewed – None	presented				
Transmission as	001.					2020 Observatio	ns:					
2016 Documen	ts Reviewed: Ass	set Register.	Commi	issioning Plans. F	Reticulation plans.	No new wo	orks in reporting per	riod.				
	ent plan, Project mar	-		•			le costing process h		hlisher	d. This should be in	ncluded in the AM	
_	sighted and seen to	•			,	to be deve	0.	ido been estat	Dilollo	a. Triis silodia se ii	ioladea ili tile 7 tivil	
	3						•	e included A	AMS 1	for planning acq	uisition operatio	
2040 Ohaamiati		0.4				 Life-cycle costing should be included AMS for planning, acquisition, operation (including maintenance and monitoring) and asset disposal. 						
2016 Observation	ons – As detailed in	2.1			(
2016 Adequacy	Rating:		2016	Performance Rat	ing:	2020 Adequacy Rating:				2020 Performance Rating:		
	A			1		NR				NR		
2016 Recomme	ndations:					2020 Recommendation:						
• Nil						• Nil						
2016 Action:						2020 Action:						
• Nil						• Nil						
	2020 AUD	IT PLAN PR	IORITY	RATING		20	20 REVISED AUDI	T REPORT R	EVIE	W PRIORITY RAT	ING	
CONSEQUENCE 1=Minor	RISK LIKELIHOOD A=Likely	INHERENT Low	RISK	ADEQUACY OF EXISTING CONTROLS	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate	RISK LIKELIHOOD A=Likely	Low	RISK	ADEQUACY OF EXISTING CONTROLS	REVIEW PRIORITY	
3=Major	2=Moderate B=Probable Medium 3=Major C=Unlikely High				1/2/3/4/3/NA	3=Major	B=Probable C=Unlikely	Medium High		S=Strong M=Moderate W=Weak	1/2/3/4/3/NA	
2	В	М		М	4	2	В	М		М	4	
REVISED REVI	W PRIORITY RATI	NG JUSTIFIC	CATION	N	1	<u>II</u>	<u> </u>	l		<u> </u>	1	
No new works in				-								
140 HCW WORKS III	tino addit ponod											



	Projects reflect sou												
engineering and related develop engineering des comprehensive the network.	The Licensee has to business decisions ment. Extensive use sign. Karara has a coset of standard enginets Reviewed: Ass	s. There will e has been comprehension neering speci set Register,	be no made ve proj fication	asset creation lik of external consi ect approval proc ns available for ma nissioning Plans,	cely outside mining ultants for detailed cess. Karara has a ajor components of Reticulation plans,	experienced contractors. The transmission line has performed satisfactorily. No new project we were undertaken during the audit period. 2020 Documents reviewed – 49, 50, 53, 80, 86, 87, 88, 89, 90, 95 2020 Observation:							
documents were	ent plan, Project man e sighted and seen to tons – As detailed in r Rating:	be compreh	ensive		•	 No new works in reporting period. Some policies apply to the mine site and not necessarily to the transmission line Construction phase policies, some of which form legacy policies for the operational sta in the absence of newer ones, were well prepared. 2020 Adequacy Rating: 2020 Performance Rating:							
	Α			1	1					NR			
• Nil	endations:		2016 Action: • Nil			2020 Recommendation: Nil				2020 Action: • Nil			
	2020 AUD	IT PLAN PR	IORIT	Y RATING			2020 REVISED AU	DIT REPORT	REVI	EW PRIORITY R	ATING		
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ISK ADEQUACY OF EXISTING CONTROLS 1/2/3/4/5/NA S=Strong M=Moderate W=Weak			
2	В	М		М	4	2	В	М		М	4		
REVISED REVI	EW PRIORITY RATI	NG JUSTIFI	CATIO	N					<u>I</u>		L		



2016 AUDIT I	REPORT EVIDENCE/	ION/FI	NDING/ACTION		2020 AUDIT RE	PORT EVIDENCE/	VERIFICATI	ON/FII	NDING/ACTION			
OBLIGATION	: Commissioning tes	ts are docu	nented	and completed								
_	- The Licensee ha			house and by co	2020 Finding –	There have been no	commission	ing tes	ts required during	the audit period		
	•	oiggianing Dlang F	2020 Document	s reviewed – None	presented							
	ents Reviewed: Ass ment plan, Project mar	-		-		2020 Observation	nne:					
_	re sighted and seen to	•			iiis, Gampie tender		orks in reporting per	riod				
assumonts we	.o organica and occir to	, so complet				- NOTION W	onto in reporting per	iou.				
	itions – As detailed in	2.1										
2016 Adequacy Rating:			2016	Performance Rat	ing:	2020 Adequacy Rating:			2020 Performance Rating:			
Α				1		NR				NR		
2016 Recomn	nendations:		2016 Action: • Nil			2020 Recommendation: Nil				2020 Action: • Nil		
• Nil												
	2020 AUD	IT PLAN PR	IORIT	Y RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING						
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/5/N	
2	В	М		М	4	2	В	М		М	4	
REVISED REV	/IEW PRIORITY RAT	NG JUSTIFI	CATIO	N	•		•	•		•	•	
No new works	during the reporting p	eriod.										



No.	2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION
2.5	OBLIGATION: Ongoing legal / environmental / safety obligations of the asset owner are	assigned and understood
	 2016 Finding – The responsibilities of the AMS are assigned to the Utilities Superintendent and understood. Legal, environmental and safety are key components of new project work within the organisation and are specifically required to be addressed in projects. 2016 Documents Reviewed: Asset Register, Commissioning Plans, Reticulation plans, Asset management plan, Project management manual, as constructed details, Sample tender documents were sighted and seen to be comprehensive. 	2020 Finding – During the audit period, the organisation has not demonstrated an understanding of the legal obligations and compliance requirements associated with the Electricity Transmission Licence. In respect to environmental and safety obligations the organisation has demonstrated the use of systemic controls and business processes, such as the INX system and risk based management. However, a review of the Safety performance (Department of Mines Industry Regulation and Safety) suggests that historically the application and use of documentation as an adequate means of control was an organisational wide concern and not just limited to the Transmission Licence.
	2016 Observations – As detailed in 2.1	2020 Documents reviewed – 1, 2, 3, 5, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 37, 39, 41, 44, 45, 46, 51, 83, 91, 93, 99, 100, 118, 119, 120, 121, 122, 123, 125
		 There appears to be a lack of appreciation of ongoing obligations with respect to the transmission line and little understanding of the ERA licence requirements nor contractual obligations with Western Power, both of which require a regularly reviewed AMS. Environmental and safety processes appear to be satisfactory for the mine, with reporting to the Department of Mines etc. As there was no or very little activity on the transmission line, which comes under the same policies, we could not assess performance during the reporting period. Communications were sighted from Manager Environment and Communities (noted these were outside the audit scope) relating to DMIRS Compliance Reporting requirements in regards to clearing of dry or other growth (vegetation) considered by the Inspector to be a potential risk for fire or for any other reason the Inspector may deem was necessary. The organisation was subject to two separate charges for events one in 2013 and one in 2015 under the Mines Safety and Inspection Act 1994 - Section 9(1) & 9A(2). In both instances fines of \$40,000 were applied. One of the charges was outside the audit period (fine issued 7 August 2015) but detailed systemic issues in regard



• Nil		Transmission Licence and responsibilities for compliance R9/2020 - Utilise SAP for placoustic surveys, vegetation Ensure records are verifiable detailed. Critical entries should R12/2020 - Establish inter	naintain a Compliance Register for the Electrici contractual requirements and allocate appropriate. anning of inspection and maintenance work, such a surveys, corona, etc and compliance requirement with supporting evidence and maintenance costs and be subject to third party review. nal audit processes to monitor risks and ensure Transmission Licence requirements and other
2016 Adequacy Rating: A	1	2020 Adequacy Rating:	3
	2016 Performance Rating:	to identify hazards and to adhered to). Similarly the side (convicted on 13 February inadequate communications attention to risk assessmintp://www.dmp.wa.gov.au/.) corrective actions undertake improvement. Additionally, it workplace culture of the orgation documented processes and socumented processes and society and soci	gister with due by dates and automatic notification appliance could potentially improve resource allocations were applicable i.e. vegetation clearing compliance d DMIRS. bligations not compiled and monitored. Inside the total country of the cou



2016 Action: • Nil					2020 Action: Refer Post Revie	w Action Plan			
	2020 AU	DIT PLAN PRIORIT	Y RATING		20	20 REVISED AUD	IT REPORT REVIE	W PRIORITY RATI	NG
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5 NA
2	С	М	М	4	2	А	Н	W	1

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Non compliances were identified from public domain documents and as such risk level increased.



☐ Assestanteg	ermine whether a regular review of the performance of assets is undertaken ect a sample of disposals over the review period and confirm adequate procedures have been for rocess – Asset disposal is the consideration of alternatives for the disposal of surplus, obsolete,	llowed under-performing or unserviceable	ADEQUACY RATING	PERFORMANCE RATING
No.	2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIF	CATION/FINDING/ACTI	ON
3.1	OBLIGATION: Under-utilised and under-performing assets are identified as part of a reg 2016 Finding – The AMS meets this criterion. There is little likelihood of disposal of the system or portions thereof outside mining operation imperatives. There are make good requirements in land leases and in the Environmental approval. Documents Reviewed – Reticulation plans, Asset management plan, Project management manual 2016 Observations – Policies and procedures for asset disposal / sample disposal activities There was no disposal action in the review period. Disposal processes are being developed. Removing the licensed plant is unlikely during the life of the customers' mines. The transfer of the Eneabba to Three Springs section may be seen as an asset disposal but is only a financial transaction and not because of life / condition of the asset. The Licensee has been paid for the line. The second circuit used by Western Power for its customer (Golden Grove) was connected on 31 March 2015.	ular systematic review process 2020 Finding – There was no systemic runder performing assets. Defect reports as reviewed. It was noted that the Transmission line applicable during the audit period. The Licer in the absence of an AMP. There was a unimplemented. 2020 Documents reviewed – 35 2020 Observations: The transmission line has performed. The Licensee has not established are With the mine possibly being unviconsidered necessary. KML Disposal form was not documenderstood by employees. Defects from monitoring reports not a reviewed.	a result of monitoring have performed satisfactorily. It is a see has not well defined an asset disposal form by a satisfactorily and is not unasset disposal plan. It is a see that is	e not been acted upon or Asset disposal was not an asset disposal process at undated and appears nder-utilised. sset disposal plan was at of date and not well



	•	requiring contractors vith non-compliance		, ,					
		d under Asset Creation		iocess covers					
2016 Adequacy			Performance Rat	ing:	2020 Adequacy	Rating:	20)20 Performance R	ating:
2010714044409	A	20.0	1	9.	2020 Macquacy	D	-	4	ug.
2016 Recommer	ndations:				2020 Recommer	ndation:	I		
• Nil					existing applica PR9/202 acousti Ensure detailed R17/20 for disp disposa	g policies, proce bility. 10 - Utilise SAP for c surveys, vegeta records are verifal. Critical entries and 120 - Incorporate and 121 - Include costs for	dures and supportion or planning of inspiration surveys, corditable with supporting should be subject to asset disposal plantical asset disposal or refurbor disposal or refurb	nent Management S ting documentation ection and maintena ona, etc and compling gevidence and ma or third party review. in the AMP, ensure view organisational poishment in the life of	ance work, such ance requirement intenance costs process establist procedures for a
• Nil					Refer Post	Review Action P	lan		
	2020 AU	DIT PLAN PRIORIT	Y RATING		20	20 REVISED AU	DIT REPORT REVI	EW PRIORITY RAT	ΓING
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISH Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/
	С	М	М	4	1	Α	М	W	3

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. The Licensee has not established an asset disposal plan or implemented processes.



No.	2016 AUDIT REPORT EVIDENCE//VERIFICAT	ION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION	ON/FINDING/ACTION
3.2	OBLIGATION: The reasons for under-utilisation	n or poor performance are critically exam	ined and corrective action or disposal undertake	en
	2016 Finding – The most likely issue is plant failu is unlikely to be disposal of the asset but comunserviceable. Documents Reviewed – Reticulation plans, Assimanual	ponents will be disposed as they become	2020 Finding – There have been no under-transmission Licence. It was noted that the vegeta reviewed or corrective action taken. The Licensee process. 2020 Documents reviewed – 35	ation and acoustic surveys have not been critically
	2016 Observations – As detailed in 3.1		KML Disposal form was not document cont by employees. Employees unaware of asset disposal oblig There was no AMP established, asset disposal obliging.	osal would form part of this process.
	2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:
	A	1	С	NR
	Nil		surveys, vegetation surveys, corona, etc ar verifiable with supporting evidence and mai should be subject to third party review. • R11/2020 -Consider carrying out a second any deterioration and address any significa understood as such instead of organising a	ction and maintenance work, such as acoustic and compliance requirements. Ensure records are intenance costs are detailed. Critical entries I acoustic emissions test to establish the extent of an tidefects. The limitation to operations is an outage for inspection/repair of known defects of scope for a planned line outage should it be
	2016 Action:		2020 Action:	
	• Nil		Refer Post Review Action Plan	
	2020 AUDIT PLAN PR	IORITY RATING	2020 REVISED AUDIT REPOR	T REVIEW PRIORITY RATING



CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA
2	С	М	М	4	2	С	M	М	4
REVISED REVIE	W PRIORITY RAT	ING JUSTIFICATIO)N						1
No change to rev	iew priority rating.								

No.	2016 AUDIT REPORT EVIDENCE//VERIFICA	TION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION	ON/FINDING/ACTION			
3.3	OBLIGATION: Disposal alternatives are evaluation	uated					
	2016 Finding - The AMS meets this criterio	n. There is little likelihood of disposal of the	2020 Finding - There was no AMP and no	evaluation process demonstrated for disposal			
	system or portions thereof outside mining opera	ation imperatives.	alternatives to be evaluated during the audit period period.	d. No disposal of assets occurred during the audit			
	Documents Reviewed – Reticulation plans, As manual	sset management plan, Project management	2020 Documents reviewed – 35				
	2016 Observations – As detailed in 3.1		necessary.				
	2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:			
	A	1	D	NR			
	2016 Recommendations: • Nil		R17/2020 – Incorporate asset disposal plan in the AMP, ensure process established for disposal/replacement alternatives and review organisational procedures for asset disposal. Include costs for disposal or refurbishment in the life cycle spreadsheet.				
	2016 Action: • Nil		2020 Action: • Refer Post Review Action Plan				



	2020 AUD	IT PLAN PRIORIT	Y RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING				
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA
2	С	М	M	4	1	С	L	W	3

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. No asset disposal process has been considered.



1=Minor A=Likely Low EXISTING 1=Minor A=Likely Low EXISTING	2016 AUDIT REI	PORT EVIDENCE/	/VERIFICAT	ION/FI	NDING/ACTION		2020 AUDIT REP	PORT EVIDENCE//	VERIFICATIO	N/FII	NDING/ACTION	
Replacement will be determined by expansion need or a finding from condition based maintenance. There are make good requirements in land leases and in the Environmental approval. Documents Reviewed – Reticulation plans, Asset management plan, Project management manual 2016 Observations – As detailed in 3.1 2016 Observations – As detailed in 3.1 2016 Adequacy Rating: A 2016 Performance Rating: A 2016 Recommendations: Nil 2016 Recommendations: Nil 2020 Adequacy Rating: Nil 2020 Recommendation: Refrequence for disposal/replacement alternatives and review organisation procedures for asset disposal. Include costs for disposal or refurbishment life cycle spreadsheet. 2020 AUDIT PLAN PRIORITY RATING 2020 Recommendation: Refer Post Review Action Plan 2020 ReviseD AUDIT REPORT REVIEW PRIORITY RATING CONSEQUENCE Ratik Likelihood Aal, Likely Barrobable Caulmikely Risk Likelihood Risk Likelihood Aal, Likely Barrobable Caulmikely Risk Likelihood Risk Likelihood Risk Likelihood Review Priority 1/2/3 Albajor Review Pri	OBLIGATION: TI	here is a replacem	ent strategy	for as	sets							
Replacement will be determined by expansion need or a finding from condition based maintenance. There are make good requirements in land leases and in the Environmental approval. Documents Reviewed – Reticulation plans, Asset management plan, Project management manual 2016 Observations – As detailed in 3.1 2016 Observations – As detailed in 3.1 2016 Adequacy Rating: A 2016 Performance Rating: A 2016 Recommendations: Nil 2016 Recommendations: Nil 2020 Adequacy Rating: Nil 2020 Recommendation: Refrequence for disposal/replacement alternatives and review organisation procedures for asset disposal. Include costs for disposal or refurbishment life cycle spreadsheet. 2020 AUDIT PLAN PRIORITY RATING 2020 Recommendation: Refer Post Review Action Plan 2020 ReviseD AUDIT REPORT REVIEW PRIORITY RATING CONSEQUENCE Ratik Likelihood Aal, Likely Barrobable Caulmikely Risk Likelihood Risk Likelihood Aal, Likely Barrobable Caulmikely Risk Likelihood Risk Likelihood Risk Likelihood Review Priority 1/2/3 Albajor Review Pri	2016 Finding – T	The AMS meets this	criterion and	d allows	s for plant replacem	nent.	2020 Finding – T	here no replaceme	nt strategy for	asset	s established durin	g the audit period
approval. Documents Reviewed - Reticulation plans, Asset management plan, Project management manual 2016 Observations - As detailed in 3.1 2016 Observations - As detailed in 3.1 2016 Adequacy Rating: 2016 Adequacy Rating: A 2016 Recommendations: Nil 2016 Recommendations: Nil 2016 Recommendations: Nil 2020 Recommendation: Refer Post Review Action Plan 2020 Action: Refer Post Review Action Plan 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING 2020 REVIEW PRIORITY RATING 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING 2020	Replacement will	be determined by e	expansion ne	ed or a	i finding from condit	tion based						
Documents Reviewed - Reticulation plans, Asset management plan, Project management manual 2020 Observations: 2020 Observations: 2020 Observations: 2020 Observations: 2020 Observations: 2020 Adequacy Rating: A 2020 Performance Rating: A 2020 Recommendation: 202	maintenance. The	ere are make good i	requirements	s in land	d leases and in the	Environmental	component level	was feasible. It was	noted the def	ect re	ports from conditio	n monitoring were
manual 2016 Observations – As detailed in 3.1 2016 Observations – As detailed in 3.1 2016 Adequacy Rating:	approval.						not critically revie	wed.				
2016 Observations – As detailed in 3.1 2016 Observations – As detailed in 3.1 2016 Adequacy Rating: A 1 2020 Adequacy Rating: D 2020 Performance Rating: D 2020 Performance Rating: NR 2016 Recommendations: Nil R17/2020 – Incorporate asset disposal plan in the AMP, ensure process established for disposal/replacement alternatives and review organisation procedures for asset disposal. Include costs for disposal or refurbishmer life cycle spreadsheet. 2016 Action: Nil 2020 AUDIT PLAN PRIORITY RATING 2020 AUDIT PLAN PRIORITY RATING 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING CONSEQUENCE 1-Milnor A-Likely B-probable C-Unlikely High Medium CONTROLS S-Strong M-Moderate W-Weak N-Moderate W-Weak ASSET replacement at a component level has not been considered 2020 Performance Rating: NR 2020 Recommendation: R17/2020 - Incorporate asset disposal plan in the AMP, ensure process established for disposal/replacement alternatives and review organisation procedures for asset disposal. Include costs for disposal or refurbishmer life cycle spreadsheet. 2020 Action: Refer Post Review Action Plan 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING CONSEQUENCE 1-Milnor A-Likely Low Medium CONTROLS S-Strong M-Moderate W-Weak Reprobable C-Unlikely High Medium High M-Moderate W-Weak Reprobable C-Unlikely High Medium W-Moderate W-Weak		iewed - Reticulatio	on plans, Ass	et man	nagement plan, Proj	ject management	2020 Documents	s reviewed – 35				
Asset replacement at a component level has not been considered 2016 Adequacy Rating: A D NR 2016 Recommendations: Nil R17/2020 – Incorporate asset disposal plan in the AMP, ensure process established for disposal/replacement alternatives and review organisation procedures for asset disposal. Include costs for disposal or refurbishmen life cycle spreadsheet. 2016 Action: Nil Refer Post Review Action Plan 2020 AUDIT PLAN PRIORITY RATING 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING CONSEQUENCE 1=Minor A=Likely B-Probable C=Unlikely B-Probable C=Unlikely Medium CONTROLS S-Strong M-Moderate M-	mandai						2020 Observatio	ns:				
2016 Adequacy Rating: A 1 2020 Adequacy Rating: D NR 2016 Recommendations: Nil R17/2020 - Incorporate asset disposal plan in the AMP, ensure process established for disposal/replacement alternatives and review organisation procedures for asset disposal. Include costs for disposal or refurbishment life cycle spreadsheet. 2016 Action: Nil Refer Post Review Action Plan 2020 AUDIT PLAN PRIORITY RATING 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING CONSEQUENCE 1=Minor A-Likely Low Medium High Medium Medium Medium High Medium High Medium High Medium Medium Medium High Medium Medi	2016 Observatio	ns – As detailed in	3.1) .
A 1 2016 Recommendations: Nil R17/2020 – Incorporate asset disposal plan in the AMP, ensure process established for disposal/replacement alternatives and review organisation procedures for asset disposal. Include costs for disposal or refurbishmen life cycle spreadsheet. 2016 Action: Nil 2020 Action: Refer Post Review Action Plan 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING CONSEQUENCE 1=Minor 1=Minor 2=Moderate 3=Major RISK LIKELIHOOD INHERENT RISK ADEQUACY OF EXISTING CONTROLS S-Strong M-Moderate W=Weak Medium High Medium M-Moderate W=Weak Medium M-Modera							7.000110010	acomonicat a compe		0 1101		
2016 Recommendations: • Nil • Nil • R17/2020 – Incorporate asset disposal plan in the AMP, ensure process established for disposal/replacement alternatives and review organisation procedures for asset disposal. Include costs for disposal or refurbishment life cycle spreadsheet. 2016 Action: • Nil 2020 AUDIT PLAN PRIORITY RATING 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING CONSEQUENCE 1-Minor 2-Moderate 3-Major RISK LIKELIHOOD A-Likely B-Probable C-Unlikely B-Probable C-Unlikely RISK LIKELIHOOD B-Probable C-Unlikely B-Probable C-U	2016 Adequacy	Rating:		2016	Performance Rati	ng:	2020 Adequacy I	Rating:		202	0 Performance Ra	ting:
Nil R17/2020 – Incorporate asset disposal plan in the AMP, ensure process established for disposal/replacement alternatives and review organisation procedures for asset disposal. Include costs for disposal or refurbishment life cycle spreadsheet. 2016 Action: Nil Refer Post Review Action Plan 2020 AUDIT PLAN PRIORITY RATING 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING CONSEQUENCE 1-Minor 2-Moderate B-Probable C-Unlikely B-Probable C-Unlikely B-Probable C-Unlikely High S-Strong M-Moderate W-Weak REVIEW PRIORITY CONSEQUENCE 1-Minor 2-Moderate W-Weak REVIEW PRIORITY CONSEQUENCE 1-Minor 2-Moderate W-Weak REVIEW PRIORITY CONSEQUENCE 1-Minor 2-Moderate B-Probable C-Unlikely High S-Strong M-Moderate W-Weak REVIEW PRIORITY CONSEQUENCE 1-Minor 2-Moderate B-Probable C-Unlikely High S-Strong M-Moderate W-Weak REVIEW PRIORITY CONSEQUENCE 1-Minor 2-Moderate B-Probable C-Unlikely High S-Strong M-Moderate W-Weak REVIEW PRIORITY CONSEQUENCE 1-Minor 2-Moderate B-Probable C-Unlikely High S-Strong M-Moderate W-Weak REVIEW PRIORITY CONSEQUENCE 1-Minor 2-Moderate B-Probable C-Unlikely High S-Strong M-Moderate W-Weak REVIEW PRIORITY CONSEQUENCE 1-Minor 2-Moderate B-Probable C-Unlikely High S-Strong M-Moderate W-Weak REVIEW PRIORITY CONSEQUENCE 1-Minor 2-Moderate W-W-Weak		Α			1			D			NR	
established for disposal/replacement alternatives and review organisation procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for asset disposal. Include costs for disposal or refurbishment procedures for disposal or refurbishment procedures for disposal or refurbishment procedures for disposal or refurbishment procedures. 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING CONSEQUENCE 1=Minor 2020 REVISED AUDIT REPORT REVIEW PRIORITY CONSEQUENCE 1=Minor 2020 REVISED AUDIT REPORT REVIEW PRIORITY PRIORI	2016 Recommer	ndations:					2020 Recommen	dation:		•		
• Nil 2020 AUDIT PLAN PRIORITY RATING 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING CONSEQUENCE 1=Minor	• Nil						establis procedu	shed for disposal/re ures for asset dispo	placement alte	ernativ	ves and review org	anisational
2020 AUDIT PLAN PRIORITY RATING CONSEQUENCE 1=Minor	2016 Action:						2020 Action:					
CONSEQUENCE 1=Minor	• Nil						Refer P	ost Review Action	Plan			
1=Minor		2020 AUD	IT PLAN PR	IORIT	Y RATING		20:	20 REVISED AUDI	T REPORT RI	EVIE	W PRIORITY RATI	NG
	1=Minor 2=Moderate	A=Likely B=Probable	Low Medium	RISK	EXISTING CONTROLS S=Strong M=Moderate		1=Minor 2=Moderate	A=Likely B=Probable	Low Medium	RISK	EXISTING CONTROLS S=Strong M=Moderate	REVIEW PRIORITY
	2	С	М			4	2	С	М			4
REVISED REVIEW PRIORITY RATING JUSTIFICATION	REVISED REVIE	W PRIORITY RATI	NG JUSTIFI	CATIO)N		<u> </u>					
No change to review priority rating.	No change to rev	iew priority rating.										
		. , 3										



□ Rev	VIRONMENTAL ANALYSIS view achievement of performance and service standards over the review period estigate any statutory or regulatory breaches and assess corrective action taken view the adequacy of reporting and monitoring tools		ADEQUACY RATING	PERFORMANCE RATING
asset	Process – Environmental analysis examines the asset management system environment and assemanagement system. Dome – The asset management system regularly assesses external opportunities and threats	, and the second se	D	4
No. 4.1	2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION OBLIGATION: Opportunities and threats in the asset management system environment	2020 AUDIT REPORT EVIDENCE//VERIF are assessed	FICATION/FINDING/ACT	ON
	2016 Finding – Opportunities are unlikely outside mining initiatives. The facilities are subject to SWIN network threats such as outages, voltage, frequency, fault and stability performance Documents Reviewed – Environmental Plans and Approvals, Reticulation plans, Asset management plan, Risk management policy, Risk register, Project management manual	2020 Finding – Opportunities and threats in not assessed in detailed or a formalized material content of the co	anner with regard to the T	system environment were ransmission Line.
	2016 Observations – There are no environmental non-compliances reported. Karara monitors and considers the mining environment in which it operates. Standards / monitoring / reporting / breaches	No Transmission Line opportunities failures in compliance and operation Poor record keeping could result in iless of licence, step in rights etc.	were not considered.	·
	The Licensee has an Environmental Management Plan (EMP). Reporting and monitoring tools are appropriate. The Licensee has a number of environmental licences and no unresolved issues have arisen with respect to environmental matters. No non-compliances have been reported. The principal external threats to the assets relate to storms or bush fires to Transmission assets. Given the close relationship to the mines there are little threats of external competition to the assets. The capability to meet customer capacity requirements is part of the asset management plan.	 Covid-19 response was relatively the masks whilst in transit, sanitiser app No review of opportunities and the necessary prepare response or avoident No regular review and maintenance 	lied at mess. reats, document with rat dance measures.	



ZUTU Auequacy	Rating:	20	16 Performance Rat	ting:	2020 Adequacy	Rating:		2020 Performance Ra	ating:
	Α		1			D		4	
2016 Recomme	ndations:				2020 Recomme	ndation:	<u> </u>		
• Nil					• R5/202 ongoin eviden • R12/20	20 - Develop a risk ag compliance and t in the AMS and d 200 - Establish inte	based treatment l/or accept resic etailed in the AN rnal audit proces	sessment of the transmer plan to address issues dual risk. Operational MP i.e. acoustic and verses to monitor risks ar Licence requirements a	identified to ensur controls should b getation surveys. and ensure
2016 Action:						ctual documentatio			
• Nil					 Refer Pos 	t Review Action Pl	an		
• Nil	2020 AU	DIT PLAN PRIOR	ITY RATING					VIEW PRIORITY RAT	ING
CONSEQUEN CE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	DIT PLAN PRIOR INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/ NA				ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. There has been no risk assessment undertaken and opportunities and threats have not been considered in relation to the

transmission line.



No.	2016 AUDIT REPORT EVIDENCE//VERIFICAT	TION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATI	ON/FINDING/ACTION				
.2	OBLIGATION: Performance standards (availa	bility of service, capacity, continuity, emer	gency response, etc.) are measured and achieve	ed				
	2016 Finding – The AMS meets this criterion will been a customer to apply them to and performance are not applicable without a customer. With West they will be responsible the power quality and supthat customer. As supply is to the mining industry project basis. Forecasting for expansion is not relies not predictable in the normal sense as it is homarkets. 2016 Documents Reviewed – Environmental F. Asset management plan, Risk management policimanual 2016 Observations – As detailed in 4.1	e statistics from the Network Reliability Code ern Power wheeling power to their customer oply continuity and metering requirements for c, capacity is only considered on a project by evant in this environment. Mining expansion eavily dependent on exploration and metal	 2020 Finding – Performance standards were detailed in contractual documentation an monitored, line performance has been satisfactory during the audit period. The Licensee ha established crisis management and emergency response processes. It was noted the SCADoverloaded and limited capability with reduction of data points requiring a review upgradin SCADA system or a simpler dedicated Transmission line data acquisition system. 2020 Documents reviewed – 62, 116, 117, 118, 119, 120, 2020 Observations: Performance standards were measured by third parties, WPC, MetroPower AMSO and not necessarily reported to Karara. Reactive response to deviations by getting data from contractors. SCADA overloaded and limited capability requiring a reduction of data points. Operation of the line has been relatively benign with few incidents, but consequence include total loss of production and revenue Emergency, incident and crisis management plans were in place but there were some administrative inconsistencies and the documents were in need of review 					
	2016 Adequacy Rating: A	2016 Performance Rating: 1	2020 Adequacy Rating: B	2020 Performance Rating:				
	2016 Recommendations: • Nil	,	R8/2020 – Review and implement a Document Management System incorporating existing policies, procedures and supporting documentation for currency and applicability. R13/2020 – Implement INX or other appropriate system to record non-standard performances and report to management to ensure compliance and performance of the transmission line. R14/2020 - Review upgrading SCADA system or a simpler dedicated Transmission line data acquisition system.					
	2016 Action:		2020 Action:					
	• Nil		Refer Post Review Action Plan					



	2020 AUD	IT PLAN PRIORIT	Y RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING					
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	
2	С	M	M	4	2	В	М	М	4	

No change to review priority ratings.



No.	2016 AUDIT REPORT EVIDENCE//VERIFICAT	ION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION	DN/FINDING/ACTION			
4.3	OBLIGATION: Compliance with statutory and	regulatory requirements					
	2016 Finding – The Licensee's HR policy docum regulatory obligations. There have been no not covered by the licence during the review period. Procedures at site require environmental approprotection of threaten birdlife and other actividocuments were sighted. 2016 Documents Reviewed – Environmental Asset management plan, Risk management policy 2016 Observations – As detailed in 4.1	ed environmental breaches for the assets oval for new projects, clearing of ground, ities that impact the environment. Policy I Plans and Approvals, Reticulation plans,	demonstrated. There were no compliance process established, regulatory requirements wernot well understood with regard to the Electricity Transmission Licence. The performance of the Transmission Line was satisfactory. 2020 Documents reviewed – 1, 3, 93, 100, 104, 105, 106, 107, 111, 112, 113, 114, 115, 125				
	2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:			
	A	1	С	3			
	Nil		Transmission Licence and contractual responsibilities for compliance. • R7/2020 – Ensure employees are requirements of Electricity Transmiss documentation. Consideration could be descriptions and performance. • R8/2020 – Review and implement a Documentation.	Compliance Register for the Electricity I requirements and allocate appropriate adequately trained to understand the ion Licence and associated contractual given incorporating a review of their job cument Management System incorporating porting documentation for currency and			



				complia	120 - Establish interior ance with Electricity ctual documentation	Transmission Lice			
2016 Action:					2020 Action:				
• Nil					Refer F	Post Review Action	Plan		
	2020 AUD	IT PLAN PRIORIT	Y RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING				
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/5/
2	С	М	М	4	2	С	М	W	3

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Compliance not well demonstrated.



2016 AUDIT REPORT EVIDENCE//VERIFICAT	ION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATI	ON/FINDING/ACTION
OBLIGATION: Service standard (customer ser	vice levels etc) are measured and achieve	ed.	
2016 Finding – The AMP defines the customer are met. There are no external customers to cons 2016 Documents Reviewed – Environmenta Asset management plan, Risk management policy 2016 Observations – As detailed in 4.1	ider as part of the environment and outages I Plans and Approvals, Reticulation plans,	2020 Finding – The line has performed satisfact Western Power or the mine in regards to perform levels etc) were defined, measured. It was not achieved in relation to contractual documentation 2020 Documents reviewed – 1, 3, 6, 11, 16, 21, 50, 80, 95, 100, 125 2020 Observations: Performance standards were measured by not necessarily reported to Karara. Electrical non-compliances have been add Some electrical non-compliances early is compensation adjustments. Documentation on these not presented. Wheeling Agreement covers third party use and inspections have not complied with Webe developed and maintained.	mance. Service standard (customer service ded that some service standards were not. Third parties, WPC, MetroPower AMSC and the successfully. In the audit period but rectified with Valuers of the towers of aerial survey not complied with. (meeting
2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:
A COMO De composito de la como	1	C COOR December 1-1	3
2016 Recommendations:		2020 Recommendation: • R1/2020 – Formalise and implement ar	AMS for the transmission line
		·	AMP for the Transmission Line compliant
		regulatory and contractual requirement	
		R6/2020 – Develop and maintain a	Compliance Register for the Electric al requirements and allocate appropria



2	С	М	М	4	2	С	M	М	4	
CONSEQUEN CE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/ NA	CONSEQUEN CE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5 NA	
	2020 AU	DIT PLAN PRIORI	TY RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING					
• Nil					Refer Post Review Action Plan					
2016 Action:					acoust Ensure	ic surveys, vegeta records are verifia	tion surveys, cordable with supporting	ection and maintena ona, etc and complia og evidence and mair o third party review.	nce requiremen	

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Compliance not well demonstrated.



☐ Asse☐ Conf proced☐ Asse ☐ Key Pr	ess the adequacy of policies and procedures covering operations functions ess the adequacy of staff resourcing and training irm the policies and procedures have been followed during the review period by examining tures, analysing costs, etc. ess the significance of exceptions identified and whether adequate corrective action has been process – Asset operations is the day-to-day running of assets (where the asset is used for its me – The asset operation plans adequately document the processes and knowledge of staff sistently achieved.	ADEQUACY RATING C	PERFORMANCE RATING 4	
No.	2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION	ON/FINDING/ACTION	
5.1	OBLIGATION: Operational policies and procedures are documented and linked to se	vice levels required		
	2016 Finding – The AMS meets this criterion with service standards defined. Due to the size and topology of the network there is no requirement for additional formal documentation. The Transmission system is static and does not require operation outside maintenance/fault switching. Operational policies are substantially maintenance/reliability matters and those dictated by SWIN system requirements. 2016 Documents Reviewed – Asset Register, Environmental Plans and Approvals, Spares List, Commissioning Plans, Karara Mining energy budget, Reticulation plans, Asset management plan, Risk management policy, Risk register, Project management manual 2016 Observations – Policies and procedures for asset operation / sample activities The system is operated by Western Power from the Three Springs end and by Karara at the mine end. The asset operation is appropriate for the duty. The line from Eneabba to Three springs (about 98km) was transferred to Western Power in the audit period. Western Power operated and maintained this segment both before and after the transfer. The use of the second circuit by Western Power for its customer (Golden Grove) was cut over on	 2020 Finding – Operational policies and procedurequired. The majority of document supplied was and regulatory obligations were not evident in the achieved. 2020 Documents reviewed – 1, 2, 3, 13, 18, 23, 31, 32, 34, 35, 39, 40, 41, 43, 43 2020 Observations: Asset Register was financial only and deliable. No Asset Management Plan developed Risk Register does not encompass the search of the line was operated by Western Pow breaker and protection intertrip to the 33 Karara were obliged to maintain the maintenance. No documented evidence was given of a as required under the contracts. 	deficient and/or could not be e policies and procedures and procedures and 44, 45, 48, 49, 50, 51, 99, 10 oes not assess asset condition. Transmission Line er, who have control over the 30kV circuit breaker at Karanir load to certain parameter.	provided. Several contractual and compliance has not been 00, 125, ion. Three Springs 330kV circuit ra. ers and responsible for line
	Policies and procedures for asset operation / sample activities The system is operated by Western Power from the Three Springs end and by Karara at the mine end. The asset operation is appropriate for the duty. The line from Eneabba to Three springs (about 98km) was transferred to Western Power in the audit period. Western Power operated and maintained this segment both before and after the transfer. The use	 The line was operated by Western Pow breaker and protection intertrip to the 33 Karara were obliged to maintain the maintenance. 	er, who have control over the 30kV circuit breaker at Karan ir load to certain paramete an AMS, annually reviewed, b	ra. ers and respons peing given to We



manually. The system and sup Training/ resou The Licensee appropriate for procedures and	service levels are opported by spread some services / exceptions and Western Powthe size of the network practices. Plant of	defined. The asset heets and standa eer operate the pork and ongoing to peration and relati	occur. The Licensee of register is part of rd procedures. Delant. The resourcing raining is evident, as ed maintenance appearents in the license	ng is considered are the operating pears to take due	No fori	mally documented	evidence of risk ar	nalysis and contingency p	lans for the transmission lines
2016 Adequac	16 Adequacy Rating: 2016 Performance Rating:					Rating:	20	20 Performance Rating	:
	Α		1			С			3
	6 Recommendations: • Nil					20 - Develop and ir ctual requirements 20 - Develop a ris cance and/or accept in the AMP i.e. a 20 - Develop and intractual requirem 20 - Review and	mplement an AMP k based treatmen of residual risk. Op- coustic and veget maintain a Compli ents and allocate implement a Do	t plan to address issues perational controls shoul ation surveys iance Register for the Ele appropriate responsibiliti	identified to ensure ongoing d be evident in the AMS and ectricity Transmission Licence es for compliance.
2016 Action:					2020 Action:				
• Nil					 Refer 	Post Review Action	n Plan		
	2020 AUE	DIT PLAN PRIOR	ITY RATING			2020 REVISE	ED AUDIT REPOR	RT REVIEW PRIORITY R	ATING
CONSEQUENCE 1=Minor 2=Moderate	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA
3=Major			VV=VVeak						



Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Priority raised as transmission line was a critical item in supply and no back up for production was available.



No.	2016 AUDIT REPORT EVIDENCE//VERIFICATI	ON/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION	N/FINDING/ACTION
5.2	OBLIGATION: Risk management is applied to p	prioritise operations tasks		
	2016 Finding - There is very little operational	control as the assets are predominantly	2020 Finding - Risk management has not been ap	oplied to prioritise operational tasks. The
	operated for maintenance requirements. Simple ri	sk analysis is applied by developing a task	transmission line was not included in any of the risk	k analysis sighted.
	hazard analysis for all tasks on the site.			
			2020 Documents reviewed –	
	2016 Documents Reviewed: Asset Register, E		50, 79, 83, 84, 94	
	List, Commissioning Plans, Karara Mining er			
	management plan, Risk management policy, Risk	register, Project management manual	2020 Observations:	
	2016 Observations – As detailed in 5.1			een undertaken for the transmission line. It was
	2016 Observations – As detailed in 5.1		not considered in any of the risk assessr	quiring response, however, there has been no
			action undertaken.	quilling response, nowever, there has been no
			No details of insurance policy requireme	nts were presented
			. , .	rds to the line length, and consequently tower
			,	e proposed route chainage in contracts and
			•	ear to differ. Actual line length, sourced from
			Downers approved construction schedule	e, has been confirmed at 104.312km (assuming
			this excludes the final chainage which wa	s outside the scope of the Transmission licence
			and would equate to the 106km length q	uoted by the Licensee)
			 It was noted during the inspection of the 	transmission line that the plates identifying the
			towers number and location were quite fa	
			 No operational controls evident in the A vegetation surveys. 	MS and detailed in the AMP i.e. acoustic and
			 WPC use a different numbering system to confusion in identifying towers. 	o that on the towers which could lead to
				g items such as acoustic survey defects in a risk
				m if deemed necessary. If not determined
1			necessary, a documented justification sh	-
			 Consideration as to the impacts of no considered in terms of insurance liability. 	ot acting upon third party advice should be
	2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:
	A	1	C	3



2016 Recomme	ndations:					2020 Recomme	endation:					
 Nil 						• R4/20	20 - Undertake and	record a risk as	sessment of the trans	mission line.		
						• R5/20	020 - Develop a risk	based treatme	nt plan to address iss	sues identified to e		
						ongoi	ng compliance and/o	r accept residu	al risk.			
						_	-		ocument Managemei	nt System incorpo		
									pporting documentar			
							cability	autoo una oa	pporting accommenta	aion for currency		
							•	nal audit proces	sses to monitor risks a	and ancura complia		
								•		•		
						with Electricity Transmission Licence requirements and other contractual documentation						
204C A atiam.						2020 Action:						
2016 Action:												
• Nil						• Refer	Post Review Action	Plan				
	2020 AUD	IT PLAN PE	RIORITY	RATING			2020 REVISED AU	DIT REPORT F	REVIEW PRIORITY R	ATING		
CONSEQUENCE	RISK LIKELIHOOD	INHERENT		ADEQUACY OF	REVIEW PRIORITY	CONSEQUENCE	RISK LIKELIHOOD		ISK ADEQUACY OF	REVIEW PRIORITY		
1=Minor 2=Moderate	A=Likely B=Probable	Low Medium		EXISTING CONTROLS	1/2/3/4/5/NA	1=Minor 2=Moderate	A=Likely B=Probable	Low Medium	EXISTING CONTROLS	1/2/3/4/5/NA		
3=Major	C=Unlikely	High		S=Strong	1/2/3/4/3/NA	3=Major	C=Unlikely	High	S=Strong	1/2/3/4/3/NA		
.,			1	M=Moderate W=Weak				9	M=Moderate W=Weak			
		1			1	1						

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available

documentation and the previous Asset Management Review. Risk revised due to lack of risk management evidence.



2016 AUDIT REPORT EVIDENCE/	/VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VER	IFICATION/FINDING/ACTION				
OBLIGATION: Assets are docume condition	ented in an asset register including asset type, lo	cation, material, plans of components, an	d an assessment of assets' physical/structu				
2016 Finding – Asset registers are	contained with the appropriate information in the Ellips	se 2020 Finding - Assets were documente	ed in an asset register but it does not include as				
system with each tower listed as an a	asset.	type, location, material, plans of	components, and an assessment of asse				
		physical/structural condition. The informa	ation contained in the asset register was for tow				
2016 Documents Reviewed: Asset	et Register, Environmental Plans and Approvals, Spare	Spares (no sub components have been included) and contains financial information only.					
List, Commissioning Plans, Karar	a Mining energy budget, Reticulation plans, Ass	et					
management plan, Risk managemen	t policy, Risk register, Project management manual	2020 Documents reviewed -					
		4, 9, 14, 19, 56, 65, 67, 68, 69, 70, 71, 72	2, 73, 74, 75, 76, 77, 78, 79, 81, 82, 108, 109				
2016 Observations - As detailed in	5.1						
		2020 Observations :					
		 The asset register had each tower as a separate item but no more detailed breakdown such as insulators, conductor, compression joints, OPGW and fittings. The current version of SAP appears to have the capability to record addition information. Electrical Superintendent stated there were various types of towers installed (provided as an explanation for lack of spares). There was no distinction in the regard in the Asset Register. Spare towers may not be justified and reflected by low likelihood of failure, however, consideration of subcomponents has not occurred. As components were not detailed on asset register and recorded and it was not possible to address defects so that component defect rates can be observed for the whole line. Location of mid span compression joints have not been recorded. Condition should be included in asset register Acoustic survey identified several component defects not entered into SAP Vegetation survey not in SAP 					
2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:				
A	1	C	4				
2016 Recommendations:	<u> </u>	2020 Recommendation:	·				
• Nil			egister to include asset type, location, material, pla ment of assets' physical/structural condition				



2016 Action: • Nil					2020 Action: • Refer F	Post Review Action	Plan		
	2020 AUD	IT PLAN PRIORIT	Y RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING				
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY
2	С	М	М	4	2	В	М	W	3

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Risk revised due to deficient documentation.



	2016 AUDIT RE	PORT EVIDENCE/	/VERIFICATI	ON/F	INDING/ACTION		2020 AUDIT RE	PORT EVIDENCE/	/VERIFICATIO	N/FINDING	/ACTION	
ı	OBLIGATION: A	accounting data is	documented	for a	ssets							
	2016 Finding – 1	None					2020 Finding – Accounting was documented for assets, however, it was based at a broad le i.e. towers and not detailed sub components					based at a broad lev
	Note: amendmer	nt to numbering in pr	evious audit v	vith nu	umbering and repo	orting for this clause	2020 Document	s reviewed – 4, 9,	14, 19			
	2016 Document	s Reviewed: None	e				2020 Observation	ons:				
	2016 Observation	ons – None				No major costs have been incurred Asset register has towers only with no detailed breakdown of components. Financial depreciation based on line construction cost divided by number of towers w distinction between suspension and tension towers.						
	2016 Adequacy Rating: 2016 Performance Rating: 1				iting:	2020 Adequacy	Rating: C		2020 Perfe	ormance l	Rating: 2	
	2016 Recommer	ndations:					R3/2020 - Review the Asset Register to include asset type, location, material, plans components, and an assessment of assets' physical/structural condition.					
	2016 Action: • Nil						2020 Action: Refer Post Review Action Plan					
		2020 AUD	IT PLAN PR	ORIT	Y RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING					RATING
	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT R Low Medium High	EXIST CONT S=Stro	ROLS ong derate	REVIEW PRIORITY
	2	С	М		М	4	2	С	М		М	4
-	REVISED REVIE	W PRIORITY RATI	NG JUSTIFIC	CATIC)N		II.					
	Very limited documentation was provided by Karara for the preparation of the Audit & Review I documentation and the previous Asset Management Review. No change to review priority ratir							Audit Priority Ratings	s in the Audit Pl	an were ba	ased on pu	blicly available



2016 AUDIT REPORT EVIDENCE/	VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION	DN/FINDING/ACTION			
OBLIGATION: Operational costs ar	e measured and monitored					
 2016 Finding – Operational costs – staffing, contracts and materials are measured and monitored. These are not significant to profitability or viability in the context of Karara ETL6 – Audit & Asset Management System Review Report McGill Engineering Services Pty Ltd Page 51 the core business being mining. The mining operations cover energy infrastructure and operational costs. 2016 Documents Reviewed: Asset Register, Environmental Plans and Approvals, Spares List, Commissioning Plans, Karara Mining energy budget, Reticulation plans, Asset management plan, Risk management policy, Risk register, Project management manual 2016 Observations – As detailed in 5.1 		transmission line. 2020 Documents reviewed – 116, 117, 118, 119, 120				
2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating: C	2020 Performance Rating: 4			
2016 Recommendations:	'		-			
Nil		2020 Recommendation: R15/2020 – Identify, record and document operational and maintenance costing and deta how they are monitored by Licensee. R16/2020 - Monitor line losses and MVAr performance. 2020 Action: Refer Post Review Action Plan				
2016 Action: Nil						
2020 AUD	T PLAN PRIORITY RATING	2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING				



CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA
2	С	М	M	4	2	В	М	М	4

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Lack of information presented increased likelihood.



No.	2016 AUDIT REPORT EVIDENCE//VERIFICATI	ON/FINDING/ACTION	2020 AUDIT REPORT EVIDE	ENCE//VERIFICATION	DN/FINDING/ACTION		
5.6	OBLIGATION: Staff resources are adequate an	d staff receive training commensurate wi	th their responsibilities				
	2016 Finding: The staff receives training commensurate with the Operator training for switching operations at establian approval and appointment under Mining Regulation Karara follows a standard isolation permit procedule effective operation of the plant 2016 Documents Reviewed: Asset Register, El List, Commissioning Plans, Karara Mining energy management plan, Risk management policy, Risk 2016 Observations – As detailed in 5.1	dished training centres followed by on site ons. ure across all sites. Staff are adequate for avironmental Plans and Approvals, Spares budget, Reticulation plans, Asset	mining operations. Staff failed to recoge Staff were unaware More training in resuse the correct process SAP should be emp Automation of recordshould be considered.				
	2016 Adequacy Rating: A	2016 Performance Rating: 1	2020 Adequacy Rating: D		2020 Performance Rating: 4		
	2016 Recommendations: • Nil		2020 Recommendation: R7/2020 – Ensure employees are adequately trained to understand the requirements of Electricity Transmission Licence and associated contractual documentation. Consideration could be given incorporating a review of their job descriptions and performance. 2020 Action: Refer Post Review Action Plan				
	2016 Action: • Nil						



	2020 AUI	DIT PLAN PRIORIT	Y RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING				
CONSEQUEN CE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/ NA	CONSEQUEN CE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY
2	С	М	М	4	2	В	М	W	3

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Poor document capture indicated a lack of understanding of processes hence likelihood and adequacy of controls were changed.



☐ Ass	SET MAINTENANCE sess the adequacy of policies and procedures covering maintenance functions nfirm the policies and procedures have been followed during the review period by examining main sess the significance of exceptions identified and whether adequate corrective action has been ta	ADEQUACY RATING	PERFORMANCE RATING				
	Process – Asset maintenance is the upkeep of assets. Dime – The asset maintenance plans cover the scheduling and resourcing of the maintenance tas	sks so work can be done on time and on	С	3			
No.	2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIF	ICATION/FINDING/ACTI	ON			
6.1	OBLIGATION: Maintenance policies and procedures are documented and linked to serv	ice levels required					
	2016 Finding – Policies and procedures are documented. The AMP supports this criterion with service standards defined	2020 Finding – There were no maintenant services levels required in regard to the Tra Power.					
	2016 Documents Reviewed – Asset Register, Environmental Plans and Approvals, Spares List, Commissioning Plans, Reticulation plans, Asset management plan, Risk management policy, Risk register, Project management manual	2020 Documents reviewed – 1, 39, 57, 58 77, 78, 79, 81, 82, 83, 90, 91, 100, 124	, 64, 65, 68, 69, 70, 71, 7	2, 73, 74, 75, 76			
	2016 Observations –	 2020 Observations: No maintenance policy in place, there has been one acoustic survey and a vegetation 					
	Policies and procedures for asset maintenance / sample activities	survey on a one-off basis and rec There were limited processes of	established to review se	ervice level requirements to			
	The Ellipse business application is used by Karara	performance, i.e. absence of AMFThe reason for no response to de		0.0			
	The asset management plan contains performance measures and lists significant maintenance plans.	 No maintenance plan complying v No prompting for maintenance plan Responsibility for maintenance plan 	an in AMS and SAP or to	record events.			
	The Licensee engages contractors to service their major maintenance outages as required for the Three Springs/mine section. Western Power are contracted to maintain the Eneabba to Three Springs section that they assumed ownership of during the review period. The line was cut over on 31 March 2015. Condition inspection of the lines is routinely carried out. Inventory of critical spares has been developed.	r, as required under the o	nance plan being negotiated				



	The resourcing is appeared and practices Plant maintenance a	s. High Voltage	raining occurs at I	Registered Training					
2016 Adequac	y Rating:	20	16 Performance Ra	ating:	2020 Adequacy	Rating:		2020 Performance F	Rating:
A 1						D			3
2016 Recomm	endations:	L			2020 Recomme	endation:			
• Nil				 R1/2020 – Formalise and implement an AMS for the transmission line. R2/2020 - Develop and implement an AMP for the Transmission Line compliant regulatory and contractual requirements. R5/2020 - Develop a risk based treatment plan to address issues identified to ensongoing compliance and/or accept residual risk. Operational controls should be evid in the AMS and detailed in the AMP i.e. acoustic and vegetation surveys R6/2020 - Develop and maintain a Compliance Register for the Electricity Transmiss Licence and contractual requirements and allocate appropriate responsibilities compliance. 2020 Action: 					
2016 Action: • Nil					in the R6/20 Licent complete c	AMS and detailed in 120 – Develop and moce and contractual	n the AMP i.e. a aaintain a Comp requirements	oliance Register for the	n surveys e Electricity Transn
	2020 AUD	DIT PLAN PRIOR	ITY RATING		in the R6/20 Licent complete c	AMS and detailed in 120 – Develop and more and contractual liance.	n the AMP i.e. a laintain a Comp requirements Plan	oliance Register for the	n surveys e Electricity Transn riate responsibiliti
	2020 AUD RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	DIT PLAN PRIOR INHERENT RISI Low Medium High		REVIEW PRIORITY 1/2/3/4/5/NA	in the R6/20 Licent complete c	AMS and detailed in 120 – Develop and more and contractual liance.	n the AMP i.e. a laintain a Comprequirements Plan DIT REPORT	oliance Register for the and allocate approp	n surveys e Electricity Transn riate responsibiliti



No.	2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION
6.2	OBLIGATION: Regular inspections are undertaken of asset performance and condition	
	2016 Finding – The Ellipse maintenance planning system fulfils this criterion by regular scheduling of inspections to assess condition. Time based schedules are set up for physical inspection, testing and collection of samples for condition based analysis (eg Corona, thermographic, etc). 2016 Documents Reviewed – Asset Register, Environmental Plans and Approvals, Spares List, Commissioning Plans, Reticulation plans, Asset management plan, Risk management policy, Risk register, Project management manual 2016 Observations – As detailed in 6.1	 2020 Finding – There were no regular inspections scheduled in SAP. During the audit period one acoustic and one vegetation survey were undertaken. 2020 Documents reviewed – 1, 39, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 81, 82, 90, 91, 100, 108, 109, 124 2020 Observations • Unclear how many outages, quality of supply etc issues during the reporting period and they do not appear to be recorded or reported to management or INX unless critical, some incomplete data was supplied later on as well as WP's records • Contracts require annual Aerial and vegetation surveys but only one vegetation survey has taken place. • Only one acoustic survey has been undertaken • Sections of vegetation survey "too far from the car" for results but visual interpretation indicated adequate clearances. • On transverse profile some vegetation higher than lowest conductor, need to confirm and document that these aren't below conductor • Ellipse data was merged into the SAP system and could still be accessed by the organisations Planner. A review of both SAP and Ellipse did not provide data consistent with the previous review, in particular evidence of time based schedules for physical inspection, testing and collection of samples or condition based analysis. • As confirmed with the Electrical Superintendent, there was no documented corona or thermographic condition based analysis that has been undertaken in relation to the transmission line. • Contractual maintenance requirements not collated. • One off acoustic and vegetation surveys haven't been followed up to compare degradation against baseline.



2016 Adequacy	/ Rating:	2	2016 Performance R	ating:	2020 Adequacy	y Rating:		2020	Performance F	Rating:	
	Α		1			D				4	
2016 Recomme	endations:	1			2020 Recommo	endation:					
 Nil 					• R6/20)20 – Develop and m	aintain a Con	npliance	e Register for the	Electricity Transm	
					Licence and contractual requirements and allocate appropriate responsibilities compliance.						
					• R9/20)20 - Utilise SAP for p	lanning of ins	spection	and maintenand	e work, such as ac	
					surve	ys, vegetation surve	ys, corona, et	c and c	ompliance requi	rements. Ensure re	
						erifiable with suppor	rting evidenc	e and i	maintenance co	sts are detailed. C	
						es should be subject	. ,				
			1	2020 -Consider car	, ,						
					1	t of any deteriorati			, ,		
					operations is understood as such instead of organising an outage for inspection/rep						
						of known defects this approach could allow clearer definition of scope for a planned					
0040 4 - 11					outage should it be deemed necessary						
2016 Action: • Nil					2020 Action:	Deet Deview Astice	Diam				
• Nil					• Relei	Post Review Action	Pian				
	2020 AUD	OIT PLAN PRIC	RITY RATING			2020 REVISED AU	IDIT REPOR	T REVII	EW PRIORITY R	ATING	
CONSEQUENCE	RISK LIKELIHOOD		ISK ADEQUACY OF	REVIEW PRIORITY	CONSEQUENCE	RISK LIKELIHOOD	INHERENT	RISK	ADEQUACY OF	REVIEW PRIORITY	
1=Minor 2=Moderate 3=Major	A=Likely B=Probable C=Unlikely	Low Medium High	EXISTING CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/5/NA	1=Minor 2=Moderate 3=Major	A=Likely B=Probable C=Unlikely	Low Medium High		EXISTING CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/5/NA	
2	С	М	М	4	2	В	М		М	4	
REVISED REVI	_ EW PRIORITY RAT	I ING JUSTIFICA	ATION		1			J			
Very limited doc	umentation was prov	ided by Karara	for the preparation of	the Audit & Review	Plan. as such the	Audit Priority Rating	s in the Audit	Plan w	ere based on pu	olicly available	



	2016 AUDIT RE	PORT EVIDENCE/	/VERIFICATION/	FINDING/ACTION		2020 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION					
	OBLIGATION: M	laintenance plans	(emergency, cor	rective and prevent	ative) are docume	nted and complete	ed on schedule				
-	2016 Finding -	Corrective (condition	on based) and p	eventative maintena	nce plans can be	2020 Finding -	There were no mai	intenance plans	associated with the	Transmission Line contained	
	recorded in the B	Ellipse system but	the line is too ne	w for condition base	d issues yet. The	within SAP. SAP	was introduced in 2	018 (date of trai	nsition not provided) a	and a review of Ellipse resulted	
	electrical and shu	utdown maintenance	e planners run the	maintenance proces	SS.	in the same findir	ng.				
	2016 Documents	s Reviewed - Asse	et Register, Enviro	onmental Plans and	Approvals, Spares	2020 Documents	s reviewed - 124				
	List, Commission	ning Plans, Reticula	tion plans, Asset	management plan,	Risk management						
	policy, Risk register, Project management manual 2016 Observations – As detailed in 6.1					2020 Observation	ns:				
						 No plar 	ns documented				
						 Defects 	s identified in acous	tic survey not a	cted upon.		
						No ma	nintenance plan for	r the transmiss	sion line that meets	contractual and operational	
						require	ments and incorpor	ated in SAP			
						 Mainter 	nance work due and	d inspection find	lings not entered into	SAP.	
F	2016 Adequacy	Rating:	20	16 Performance Rat	ing:	2020 Adequacy Rating: 2020 Performance Rating:				ating:	
		Α		1			C 3				
-	2016 Recommer	ndations:	<u> </u>			Recommendation:					
	• Nil					• R9/202	.0 - Utilise SAP for	planning of in	spection and mainter	nance work, such as acoustic	
						surveys	s, vegetation survey	ys, corona, etc	and compliance requ	irements. Ensure records are	
						verifiable with supporting evidence and maintenance costs are detailed. Critical entries should					
						be subj	ject to third party rev	view.			
-	2016 Action:					2020 Action:					
	• Nil					Refer F	Post Review Action	Plan			
		2020 AUD	IT PLAN PRIOR	TY RATING			2020 REVISED	AUDIT REPOR	T REVIEW PRIORIT	RATING	
	CONSEQUENCE	RISK LIKELIHOOD	INHERENT RISI		REVIEW PRIORITY	CONSEQUENCE	RISK LIKELIHOOD		SK ADEQUACY OF	REVIEW PRIORITY	
	1=Minor 2=Moderate	A=Likely B=Probable	Low Medium	EXISTING CONTROLS	1/2/3/4/5/NA	1=Minor 2=Moderate	A=Likely B=Probable	Low Medium	EXISTING CONTROLS	1/2/3/4/5/NA	
	3=Major	C=Unlikely	High	S=Strong M=Moderate W=Weak		3=Major	C=Unlikely	High	S=Strong M=Moderate W=Weak		
	2	С	М	М	4	2	В	М	W	3	



Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. A review of the risk likelihood and adequacy of existing controls was resultant from the lack of implementation of actions from inspections undertaken.



No.	2016 AUDIT REPORT EVIDENCE//VERIFICAT	TION/FINDING/ACTION	2020 AUDIT REPORT	EVIDENCE//VERIFICATION	ON/FINDING/ACTION
6.4	OBLIGATION: Failures are analysed and oper	ational/maintenance plans adjusted where	necessary		
	2016 Finding – Failures are infrequent. The Lick with outages being from external sources such bushfires or system outages. There was no adjustment of the plans within the review period. 2016 Documents Reviewed – Asset Register, Elist, Commissioning Plans, Reticulation plans, Appolicy, Risk register, Project management manual 2016 Observations – As detailed in 6.1	compensator by AMSC early in the audit period was required. Failures appear to have be			
	2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Ratir	a:	2020 Performance Rating:
	A	1		В	3
	2016 Recommendations: Nil	Page 2020 Recommendation: R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acoust surveys, vegetation surveys, corona, etc and compliance requirements. Ensure record are verifiable with supporting evidence and maintenance costs are detailed. Critical entries should be subject to third party review. R13/2020 — Implement INX or other appropriate system to record non-standar performances and report to management to ensure compliance and performance of the transmission line.			
	2016 Action:		2020 Action:		
	• Nil		Refer Post I	Review Action Plan	



	2020 AUD	OIT PLAN PRIORIT	Y RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING						
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA		
2	С	M	M	4	2	С	M	M	4		

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Good reliability of the transmission line so rating remained the same



2	2016 AUDIT RE	PORT EVIDENCE/	/VERIFICAT	ION/FII	NDING/ACTION		2020 AUDIT R	EPORT EVIDENCE	E//VERIFICATION	ON/FINDING/ACTION	· ·					
(OBLIGATION: R	isk management is	s applied to	prioriti	se maintenance	tasks										
2	2016 Finding – N	Maintenance tasks a	and frequenc	ies hav	e been developed	l over a period of	2020 Finding – Risk management has not been applied to the Transmission Line asset. There									
t	time using local e	experience and indu	stry standard	ds appli	ed at the mine.	·	were no documented risk assessments that relate to Transmission Line. The organisation has a									
[Documents Revie	ewed: Asset Mana	gement Plan	, Busine	ess Plan		well establish r	risk management pr	ocess for the m	ne operations.						
1	Asset Manageme	ent Plan														
							2020 Docume	nts reviewed - 84,	94, 113							
2	2016 Documents	s Reviewed - Asse	t Register, E	nvironm	nental Plans and	Approvals, Spares										
L	List, Commission	ing Plans, Reticulat	ion plans, As	sset ma	nagement plan, R	tisk management	2020 Observa	tions:								
	, ,	ter, Project manage o ns – As detailed in		ıl			No ri imple Appl sugg years	isk based maintena emented ication of risk mana gesting rectification s with no justificatio	nce program for gement was no within 3 months n or risk assess	but no action by the I	e is formulated or Power acoustic survey Licensee in the following 2.5					
2	2016 Adequacy	Rating:		2016	Performance Ra 1	ting:		maintenance requi	red	2020 Performance R						
1	2016 Recommer	ndations:					Recommenda	tion:								
	• Nil						• R5/2 ongo	2020 - Develop a ri bing compliance and	sk based treatr d/or accept resid		issues identified to ensure controls should be evident in					
	2016 Action:						2020 Action:				•					
	• Nil						Refer Post Review Action Plan									
		2020 AU	DIT PLAN P	RIORIT	Y RATING			2020 REVISED	AUDIT REPOR	T REVIEW PRIORIT	Y RATING					
1 2	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RI Low Medium High	SK ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA					



	2	С	М	M	4	2	С	M	W	3
--	---	---	---	---	---	---	---	---	---	---

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Controls reduced to weak because of experience elsewhere.



2016 AUDIT RE	EPORT EVIDENCE/	/VERIFICAT	ION/FIN	NDING/ACTION		2020 AUDIT REI	PORT EVIDENCE//	VERIFICATION	I/FINDING/ACTION			
OBLIGATION:	Maintenance costs	are measure	ed and r	monitored								
2016 Finding –	Maintenance costs a	are recorded,	measui	red and monitored	d by the site	2020 Finding – Maintenance costs were not measured and monitored and the transmiss line was not itemised any financial budgets. Budgets costs incorporated in Maintena						
2016 Document	ts Reviewed – Asse	t Register, E	nvironm	nental Plans and A	pprovals, Spares	budget for the mi	•	J .				
•	ning Plans, Reticulat ster, Project manage			nagement plan, Ri	isk management	2020 Documents reviewed - None presented						
2016 Observati	ons - As detailed in	6.1				2020 Observations:						
2016 Adequacy	Rating:		2016	Performance Rat	ting:	2020 Adequacy	Rating:		2020 Performance I	Rating:		
	A			1		C 3						
2016 Recomme	endations:					2020 Recommendation:						
						acoust Ensure	ic surveys, vegetati e records are verifial	on surveys, co	pection and mainten rona, etc and compl ing evidence and ma to third party review.	iance requirement iintenance costs a		
2016 Action:						2020 Action:						
• Nil						Refer I	Post Review Action	Plan				
	2020 AUD	IT PLAN PR	IORITY	RATING		20	20 REVISED AUDI	T REPORT RE	VIEW PRIORITY RA	TING		
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High		ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RI Low Medium High	SK ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY		
2	С	М		М	4	2	С	М	М	4		
REVISED REVI	EW PRIORITY RATI	NG JUSTIFI	CATION	N	1		1					
-	umentation was provendent the previous Ass	-			he Audit & Review	Plan, as such the A	Audit Priority Ratings	in the Audit Pla	an were based on pu	blicly available		



□ Assomanag □ Con obligat Key Pr function Outco asset	ess the adequacy of policies and procedures covering the general control and security of the corpement information on compliance with service standards / licence obligations firm management reports on service standards / licence obligations are reviewed and substantiations are promptly followed up and implemented *rocess – An asset management information system is a combination of processes, data and so ons. **me – The asset management information system provides authorised, complete and accurate in management system. The focus of the review is the accuracy of performance information used to estandards.	ADEQUACY RATING	PERFORMANCE RATING 3							
No.	2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIF	ICATION/FINDING/ACTI	ON						
7.1	OBLIGATION: Adequate system documentation for users and IT operators									
	2016 Finding – The Ellipse system is well documented. The system is intuitive with online	2020 Finding - The asset management inf	ormation system did not p	provide authorised, complete						
	assistance and documentation is rarely required. The viewing of Historic data is also intuitive	and accurate information for the day-to-day	running of the asset man	nagement system.						
		The data and software supporting the asset management functions is not being utilise optimally								
	2016 Documents Reviewed – Karara Mining energy budget, Asset management plan, Ellipse									
	overview. Viewed Ellipse, viewing of Historical database.	requirements for the licensee to report on service standards								
	2016 Observations –	Staff had difficulty obtaining documents for	this audit.							
	Policies and Procedures									
	The Licensee has a competent asset management information system with a number of	Document control and retrieval was poor w	vith lack of understanding	by staff using it and policies						
	elements. The maintenance management system based on the Ellipse business software	out of date.								
	system V6.31 (described in section 6 above). The system allows for both time based and									
	condition based activities. The system was viewed. The Licensee uses standard financial	2020 Documents reviewed -								
	packages.	95, 96, 97, 98								
	The maintenance system links project management to scheduled tasks to standard work									
	plans, asset register and parts inventory. Documentation and familiarity of the system appears	2020 Observations:								
	appropriate.	Limited documentation was able to be located through the portal but file structure never								
	Access to write to the database is controlled (passwords) and changes are tracked. There is									
	good documentation for data recovery procedures which include operating on the Perth office	Document management system was lacking with respect to consistency, document								
	server and backing up the servers to ensure data integrity.	identification and retrieval.								



being followed u	р.				Lack of doc Communities	cumented policy on r cumented policy on e es did confirm acces e knowledgeable an	email storage, alth	ough Manager Env emails.			
2016 Adequacy	Rating:	2016	Performance R	ating:	2020 Adequacy	Rating:	20	20 Performance I	Rating:		
	Α		1			С			3		
2016 Recomme Nil 2016 Action: Nil		DIT PLAN PRIORIT	Y RATING		Recommendation: R7/2020 – Ensure employees are adequately trained to understand the require Electricity Transmission Licence and associated contractual documentation. C could be given incorporating a review of their job descriptions and performance compliance was achieved. R8/2020 – Review and implement a Document Management System incorporation policies, procedures and supporting documentation for currency and applicabil 2020 Action: Refer Post Review Action Plan						
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY		
2	С	М	М	4	2	В	М	М	4		
Very limited doc	·	vided by Karara for	the preparation of	f the Audit & Review changed as risk was			s in the Audit Plan	were based on pu	blicly available		



0.	2016 AUDIT REPORT EVIDENCE//VERIFICAT	ION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFIC	ATION/FINDING/ACTION
	OBLIGATION: Input controls include suitable	verification and validation of data entered	into the system	
	2016 Finding – The system is easy to use with a focus and includes appropriate verification and verificatio	alidation of data entered into the system. , Business Plan rgy budget, Asset management plan, Ellipse	often by third parties, WPC, AMSC, MetroPovaccess for different data require review as it effectiveness of the action (for example, AMS process). KML controls on portal documentar adequate 2020 Documents reviewed – 95, 96 2020 Observations: No support data provided only verbal description of the support of the suppor	review are likely to be a misstatement and not ould be located by the Licensee.
			 Limited power quality date reported to l Little has been done since construction SAP said to be a non-OEM version but 	KML only no-compliances. n apart from change from Ellipse to SAP
	2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:
	A	1	В	3
	2016 Recommendations:		Recommendation:	-
	• Nil		acoustic surveys, vegetation surveys	of inspection and maintenance work, such as s, corona, etc and compliance requirements. pporting evidence and maintenance costs are ect to third party review.



2016 Action:					2020 Action:				·				
• Nil					Refer Post Review Action Plan								
	2020 AUD	IT PLAN PRIORIT	Y RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING								
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORIT				
2	С	М	М	4	2	С	М	М	4				

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Recently appointed IT personnel in Perth were going to address the shortcomings.



OBLIGATION: S	Security access cor	ntrols appea	r adeq	uate, such as pa	sswords								
are automaticall	Logical control is ad y logged out of comp iewed: Asset Mana	uter systems	s after _l	periods of inactivit		2020 Finding – Security access controls appear adequate, such as passwords. Stand security in place.							
Asset Managem	ent Plan					2020 Document 107, 121, 122, 12							
	ts Reviewed – Karar ed Ellipse, viewing of	•		•	ement plan, Ellipse								
	rvations – As detaile												
2016 Adequacy	2016 Adequacy Rating: 201				Performance Rating: 2020 Adequacy Rating: 2020 Performance Rating: A						ating:		
2016 Recomme • Nil	endations:			2016 Action: 2020 Recommendation: 2020 Action: • Nil • Nil • Nil									
	2020 AUD	IT PLAN PR	IORIT	Y RATING		20	020 REVISED AUDI	T REPORT	REVIE	W PRIORITY RAT	ING		
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORIT		
2	С	М		М	4	2	С	М		М	4		
_	EVISED REVIEW PRIORITY RATING JUSTIFICATION o change to priority rating						1						



2010 AUDIT I	REPORT EVIDENCE/	/VERIFICAT	ION/FI	NDING/ACTION		2020 AUDIT REI	PORT EVIDENCE/	VERIFICAT	ION/FII	NDING/ACTION			
OBLIGATION	Physical security a	cess contro	ols app	ear adequate									
2016 Finding	- Physical security is	adequate wit	h the sy	ystem on access of	controlled mine	2020 Finding - Physical security access controls at site and head office appear adequa							
						2020 Document	s reviewed -						
2016 Docume	ents Reviewed - Ka	rara Mining	energy	y budget, Asset i	management plan,	96							
Ellipse overvie	w. Viewed Ellipse, vie	wing of Histo	rical da	atabase.		2020 Observations :							
						 Site was 	remote and has	manned ad	cess	gates and induc	tion/pass appro		
2016 Observa	tions - As detailed in	7.1				processes	S.		,	•			
						Head Office has 'tag' entrance locking							
						Entry to head office was transparent to staff with open plan main office							
						 Induction processes were established, however as the Audit Team was accompa 							
						at all times we did not review this other than high level mustering an emergen							
						response.							
2016 Adequad	y Rating:		2016	Performance Ra	iting:	2020 Adequacy	Rating:		202	0 Performance R	ating:		
	Α		1				Α			1			
2016 Recomm	endations:		2016	Action:		2020 Recommendation: 2020 Action:							
• Nil			•	Nil		• Nil			•	Nil			
	2020 AUD	IT PLAN PR	IORIT	Y RATING		20	020 REVISED AUDI	T REPORT	REVIE	W PRIORITY RAT	ING		
CONSEQUENCE 1=Minor 2=Moderate 3=Major	Minor A=Likely Low Moderate B=Probable Medium			ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIOR 1/2/3/4/5/N		
2	С	М		М	4	2	С	М		М	4		
REVISED REV	EVISED REVIEW PRIORITY RATING JUSTIFICATION						1			1	1		
No change to	o change to priority rating												



	2016 AUDIT RE	PORT EVIDENCE/	/VERIFICAT	ION/FI	NDING/ACTION		2020 AUDIT RE	PORT EVIDENCE//	VERIFICATIO	N/FIN	IDING/ACTION			
	OBLIGATION: D	oata backup proced	lures appea	r adeq	uate and backups	s are tested	<u>ll</u>							
	•	Data backup is repo vers. Backups are te	•	ite IT p	ersonnel to be car	ried out daily and	were advised that backups were tested.							
		ts Reviewed – Ka Viewed Ellipse, vie	J	•	, ,	nanagement plan,								
	2016 Observation	ons – As detailed in	7.1				2020 Observati Data was	ons : regularly backed up	twice a day					
Ī	2016 Adequacy	Rating:		2016 Performance Rating:			2020 Adequacy Rating: 2020 Performan					nce Rating:		
L		Α		1			A 1							
Ī	2016 Recomme	ndations:		2016	Action:		2020 Recomme	ndation:		2020	Action:			
	• Nil			•	Nil		• Nil			•	Nil			
		2020 AUD	IT PLAN PR	IORIT	Y RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING							
	CONSEQUENCE 1=Minor 2=Moderate 3=Major RISK LIKELIHOOD Low A=Likely B=Probable C=Unlikely High		Low Medium	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORIT		
-	2	С	М		М	4	2	С	М		М	4		
-	REVISED REVIE	W PRIORITY RATI	NG JUSTIFI	CATIO	N		1		I			1		
ŀ	No change to pri	ority rating												
	2 2 3 1 P	, 3												



2016 AUDIT RE	PORT EVIDENCE/	/VERIFICAT	ION/FI	NDING/ACTION		2020 AUDIT REI	PORT EVIDENCE//	(VERIFICATIO	N/FINDING	ACTION				
OBLIGATION: 0	Computations for li	censee perfe	orman	ce reporting are a	ccurate									
2016 Finding –	There is minimal reg	ular computa	ation w	ork. Key computati	ons related to	2020 Finding: The SCADA system, shared with the mine, was overloaded and number of points ha								
Licensee perforr	nance reporting are	materially ac	curate,	to the extent poss	ible to assess	be reduced to obtain acceptable speed. Only limited line data was collated. AMSC monitor at a								
with visual inspe	ction					sampling rate but	t downstream at 33k	kV (not part of t	he licence)					
	s Reviewed: Karara	J	0,		ement plan, Ellipse	2020 Document	s reviewed -							
overview. Viewe	d Ellipse, viewing of	Historical da	tabase			90								
2016 Observati	ons – As detailed in	7.1				2020 Observation	ons:							
						 SCADA da 	ata was automated							
						 SAP data 	was extremely limite	ed and unsubst	antiated					
						 INXS was 	operated as an eve	ent monitor by C	OHS and ap	pears to fur	nction satisfactorily.			
2016 Adequacy	Rating:		2016	Performance Rat	ing:	2020 Adequacy	Rating:		2020 Perfe	ormance R	ating:			
	Α			1			В				3			
2016 Recomme	ndations:					2020 Recommendation:								
• Nil									•		d non-standard performances			
							to management to	ensure complia	ance and pe	erformance	of the transmission line.			
2016 Action:						2020 Action:								
• Nil						Refer Pos	t Review Action Plai	n						
	2020 AUD	IT PLAN PR	IORIT	Y RATING			2020 REVISED	AUDIT REPOR	RT REVIEW	PRIORITY	RATING			
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT R Low Medium High	EXIST CONT S=Stro	ROLS ong derate	REVIEW PRIORITY 1/2/3/4/5/NA			
2	С	М		М	4	2	В	М		М	4			
REVISED REVI	W PRIORITY RATI	NG JUSTIFI	CATIO	N	1	1	I	1	l .		I			
Very limited doc	umentation was prov	rided by Kara	ra for t	he preparation of t	he Audit & Review	Plan, as such the A	udit Priority Ratings	s in the Audit P	lan were ba	ased on pub	licly available documentation			
•	Asset Management						,9-			1	,			
				3		1								



2016 AL	JDIT REPORT EVIDENCE	//VERIFICATION/FI	INDING/ACTION		2020 AUDIT REF	PORT EVIDENCE/	/VERIFICATION/	FINDING/ACTION	
OBLIGA	TION: Management repor	ts appear adequate	e for the licensee	to monitor licence	obligations				
Ellipse o	nding: ocuments Reviewed – Ka verview. Viewed Ellipse, vie servations – As detailed in	ewing of Historical da		nanagement plan,	available. 2020 Document: 97 2020 Observatio • Unclear w	s reviewed – ons:	and if they were	o the Licensee monito	oring licence obligations were
2016 Ad	equacy Rating:	2016	Performance Rat	ing:	2020 Adequacy Rating: 2020 Performance Rating:				
2016 Rec	commendations: Nil	·			2020 Recommendation: R6/2020 – Develop and maintain a Compliance Register for the Electricity Transmiss and contractual requirements and allocate appropriate responsibilities for compliance R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as accompliance requirements. Ensure records are supporting evidence and maintenance costs are detailed. Critical entries should be suparty review. R13/2020 - Implement INX or other appropriate system to record non-standard pand report to management to ensure compliance and performance of the transmission.				
2016Act	ion: Nil				2020 Action: • Refer F	Post Review Action	Plan		
	2020 AU	DIT PLAN PRIORIT	Y RATING			2020 REVISED	AUDIT REPORT	REVIEW PRIORITY	RATING
CONSEQUI 1=Minor 2=Moderate 3=Major	A=Likely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RIS Low Medium High	K ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA
2	С	М	М	4	2	В	М	W	3



Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Likelihood and adequacy changed on light of limited documentation presented.



2012 5: 1:	N 1					0000 F: !:					
_	No detailed manage		-	· ·		2020 Finding:		ا - امن ما ام معملسه			
	nonitor licence obligation appear adequate		y repo	orts are for outage	e logging and the		access. Control of the		access to software p WPC.	rovide security aga	
2016 Document	ts Reviewed – Karar	a Mining ener	av bud	dget Asset manag	nement plan. Ellipse	95, 96, 98					
	d Ellipse, viewing of	•		•	gernent plan, Empoe	2020 Observati	ions:				
Stortiow. Viewe	a Empos, viewing or	i iiotorioai dati	2000	·•		 Firewalls 	in place				
2016 Observati	ons – As detailed in	7.1				Access to confidential data restricted to approved staff					
	The detailed in					 Hardly ar 	nission line	ie			
						Secure storage					
2016 Adequacy	Rating:		2016	Performance Ra	ating:	2020 Adequacy	/ Rating:		2020 Performance F	Rating:	
	Α			1		A			1		
2016 Recomme	endations:		2020	Action:		Recommendation:			Action:		
• Nil				• Nil		• Nil			• Nil		
	2020 AUD	IT PLAN PRI	ORIT	Y RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING					
CONSEQUENCE	RISK LIKELIHOOD		RISK	ADEQUACY OF	REVIEW PRIORITY	CONSEQUENCE	RISK LIKELIHOOD		ISK ADEQUACY OF	REVIEW PRIORITY	
1=Minor 2=Moderate 3=Major	A=Likely B=Probable C=Unlikely	Low Medium High		EXISTING CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/5/NA	1=Minor 2=Moderate 3=Major	A=Likely B=Probable C=Unlikely	Low Medium High	EXISTING CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/5/NA	
2	С	М	_	M	4	2	С	М	М	4	
REVISED REVI	EW PRIORITY RAT	NG JUSTIFIC	ATIO	N	1	Ш	1	J	<u>I</u>	I.	



☐ Ass ☐ Ass ☐ Ass ☐ Ass	ess whether the risks that most affect the management and performance of the assets have been ess the adequacy of policies and procedures covering risk management ess whether the risk management policies and procedures have been applied in practice ess the adequacy of staff understanding and training on risk management Process – Risk management involves the identification of risks and their management within an analysis.		ADEQUACY RATING	PERFORMANCE RATING
No.	ome – The risk management framework effectively manages the risk that the licensee does not recommended to the risk management framework effectively manages the risk that the licensee does not recommended to the risk management framework effectively manages the risk that the licensee does not recommended to the risk management framework effectively manages the risk that the licensee does not recommended to the risk management framework effectively manages the risk that the licensee does not recommended to the risk management framework effectively manages the risk that the licensee does not recommended to the risk management framework effectively manages the risk that the licensee does not recommended to the risk management framework effectively manages the risk that the licensee does not recommended to the risk management framework effectively manages the risk that the licensee does not recommended to the risk management framework effectively manages the risk management framework effectively manages the risk management framework effectively manages and procedures exist and are applied to minimal framework effectively management framework effetively management framework effectively management framework effetively management framework effectively management framework effetively management framework effetively effetively management fr	2020 AUDIT REPORT EVIDENCE//VERIF	FICATION/FINDING/ACTI	ON
	2016 Finding – The AMS meets this criterion. The risk management section of the plan and Risk Plan set out risks, risk assessment and risk mitigation 2016 Documents Reviewed – Asset Register, Environmental Plans and Approvals, Spares List, Commissioning Plans, Reticulation plans, Asset management plan, Risk management policy, Risk register, Project management manual 2016 Observations – Policies and procedures The Licensee has a documented risk management procedure and there is evidence that risk based approaches is being carried out. The Licensee has assessed and prioritised the threats to specific plant and developed contingencies for these threats which are based on assessment of risks. The power quality measurement plan is a strategy to mitigate quality/reliability threats. The power quality at Karara is a joint effort between Western Power and Karara based on the agreed operating parameter for the final supply. This stipulates maintenance of power factor, and a range of reactive power within which Karara operates and achieves this by using STATCOMS installed at Karara 330kV substation. Training There is evidence of training and awareness by staff of risk based approaches.	2020 Finding – There were risk manage organisation but they have not been applied to the Transmission Line. No risk managem 2020 Documents reviewed – 83, 84, 94, 113 2020 Observations: Risk management was centred safety and environmental risks a Majority of documentation base been updated since operations of Environmental departmental risk Staff were unaware of risk assess There was no evidence of training the Transmission Line. Management were aware of pote	on minimise internal and elent has been undertaken for mining operations. The sociate with mining operation on construction phase commenced. assessments were provide assessments or requirements for gin regard to the risk manning the minimise of the risk manning in regard to	external risks with regards or the Transmission Line. The primary focus was on ations. Indoor documents and has not alled or them. The primary focus was on ations.



2016 Adequacy	/ Rating:	2016	Performance Ra	ating:	2020 Adequacy	Rating:	202	20 Performance R	ating:			
	Α		1			С		isk assessment of the transmission line, ment plan to address issues identified to residual risk. Operational controls show the AMP i.e. acoustic and vegetation sure Document Management System incompupporting documentation for currer dit processes to monitor risks and smission Licence requirements and				
2016 Recomme	endations:	<u>'</u>			2020 Recomme	ndation:	<u> </u>					
• Nil					 R5/202 ongoin eviden R8/202 existin applica R12/20 compli 	20 - Develop a risk b ag compliance and/ t in the AMS and de 20 – Review and im g policies, procedu ability. 020 - Establish in	ased treatment plar or accept residual stailed in the AMP i. plement a Docume ures and supportion ternal audit procestity Transmission	n to address issues risk. Operational e. acoustic and ve ant Management S ing documentation esses to monitor	s identified to controls shagetation sur ystem incor for currer			
2016Action:					2020 Action:		-					
• Nil					Refer	Post Review Action	Plan					
	2020 AUD	IT PLAN PRIORIT	Y RATING		20	020 REVISED AUD	T REPORT REVIE	W PRIORITY RA	ΓING			
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/			
2	С	М	М	4	2	В	М	W	3			
REVISED REVI	EW PRIORITY RATI	NG JUSTIFICATION	N		<u> </u>	<u> I</u>	<u>I</u>	1				
Very limited doc	umentation was prov	ided by Karara for	the properation of	the Audit 9 Deview	Diam an accele than A	Accelit Daile with a Destinate	in the Arrelt Diese.		الممانويين برامنا			



No.	2016 AUDIT RE	PORT EVIDENCE/	/VERIFICATION/F	INDING/ACTION		2020 AUDIT REF	PORT EVIDENCE/	/VERIFICATION/F	FINDING/ACTION			
8.2	OBLIGATION: R	isks are documen	ted in a risk regis	ter and treatment p	olans are impleme	nted and monitore	ed					
	2016 Finding - T	The risk process is s	set out in the AMP.	There is a risk regis	ster of Karara	2020 Finding - F	Risks were not docu	ımented in a risk r	egister and treatmen	nt plans were not established,		
	Mining which incl	udes the Licensee.		_		implemented and monitored. Risk management was adhoc and relies on the tacit knowledge of						
						employees. The r	risk management de	ocumentation was	not co-ordinated.			
	2016 Documents	s Reviewed - Asse	t Register, Environ	mental Plans and A	pprovals, Spares							
	List, Commission	ing Plans, Reticulat	ion plans, Asset m	anagement plan, Ri	sk management	2020 Documents reviewed –						
	policy, Risk regist	ter, Project manage	ment manual			83, 84, 94, 113						
						2020 Observatio	ns:					
	2016 Observation	ons - As detailed in	n 8.1			 Advise 	d there were depart	tmental risk asses	sments but not seen			
						 Employ 	ees were uninform	ed about risk asse	essments.			
	2016 Adequacy	Rating:	2010	6 Performance Rat	ina:	2020 Adequacy Rating: 2020 Performance Rating:						
		Α		1	9.	D 2020 Ferformance Rating.						
	2016 Pecommer	ndations:				2020 Recommendation:						
	2016 Recommendations: Nil							record a rick acce	ssment of the transm	nission line		
										s identified to ensure ongoing		
							•	•		uld be evident in the AMS and		
						1		•		and be evident in the Aivid and		
						 detailed in the AMP i.e. acoustic and vegetation surveys. R12/2020 - Establish internal audit processes to monitor risks and ensure compl 						
									nts and other contrac			
						Liectric	nty Transmission Li	cence requiremen	ns and other contrac	idai documentation.		
	2016Action:					2020 Action:						
	• Nil					Refer F	Post Review Action	Plan				
	2020 AUDIT PLAN PRIORITY RATING						2020 REVISED	AUDIT REPORT	REVIEW PRIORITY	RATING		
	CONSEQUENCE 1=Minor	RISK LIKELIHOOD	INHERENT RISK	ADEQUACY OF	REVIEW PRIORITY	CONSEQUENCE 1=Minor	RISK LIKELIHOOD	INHERENT RISK	ADEQUACY OF EXISTING	REVIEW PRIORITY		
	2=Moderate	A=Likely B=Probable	Low Medium	EXISTING CONTROLS	1/2/3/4/5/NA	2=Moderate	A=Likely B=Probable	Low Medium	CONTROLS	1/2/3/4/5/NA		
	3=Major	C=Unlikely	High	S=Strong M=Moderate		3=Major	C=Unlikely	High	S=Strong M=Moderate			
				W=Weak					W=Weak			
	2	С	М	М	4	2	С	М	W	3		



Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. The absence of the risk register resulted in an increased review priority.



No.	2016 AUDIT REPORT EVIDENCE//VERIFICAT	ION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION	DN/FINDING/ACTION
8.3	OBLIGATION: Probability and consequences	of asset failure are regularly assessed		
	2016 Finding - During the review period, the ris	ks of asset failures have been assessed	2020 Finding - Failure of transmission line was no	ot considered.
	based on probability and consequence paramete	rs		
			2020 Documents reviewed –	
	2016 Documents Reviewed – Asset Register, E	• • • • • • • • • • • • • • • • • • • •	94, 113	
	List, Commissioning Plans, Reticulation plans, As		200	
	policy, Risk register, Project management manua	I	2020 Observations:	
	2016 Observations – As detailed in 8.1		There was no risk assessment for the Till Till terms overtained as dead	
	2010 Observations - As detailed in 0.1			umented, although unlikely, such events have lild be considered reasonably foreseeable.
				covers for some extremes, wind, temperature,
			conductor creep etc., although this was	•
			Consequence of loss of transmission lin	
			A deficiency noted in the previous two R	
			No back up for production if line was out	
	2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating:	2020 Performance Rating:
	Α	1	D	4
	2016 Recommendations:		2020 Recommendation:	
	• Nil		R4/2020 - Undertake and record a risk a	
			· ·	ent plan to address issues identified to ensure
				lual risk. Operational controls should be evident
			in the AMS and detailed in the AMP i.e.	-
			·	cesses to monitor risks and ensure compliance
			documentation.	nce requirements and other contractual
			documentation.	
	2016Action:		2020 Action:	
	• Nil		Refer Post Review Action Plan	
	L		ш	



		2020 AUDIT PLAN PRIORITY RATING					2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING				
1= 2=	ONSEQUENCE =Minor =Moderate =Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA	
	2	С	М	M	4	3	В	Н	W	1	

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Due the absences of controls this priority has been reviewed.



□ Det	NTINGENCY PLANNING ermine whether contingency plans have been developed and are current ermine whether contingency plans have been tested. If so, review the results to confirm any imp mented.	rovements identified have been	ADEQUACY RATING	PERFORMANCE RATING
	Process – Contingency plans document the steps to deal with the unexpected failure of an asset one – Contingency plans have been developed and tested to minimise any major disruptions to		С	4
No.	2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIF	FICATION/FINDING/ACT	ION
9.1	OBLIGATION: Contingency plans are documented, understood and tested to confirm the	eir operability and to cover higher risks		
	2016 Finding – The AMS does not meet this criterion Critical spares are identified and being sourced. Standard spares such as insulators are on site. Contingency plans have not been developed during the review period but have been since. There has been no test yet. 2016 Documents Reviewed – Asset Register, Environmental Plans and Approvals, Spares List, Reticulation plans, Asset management plan, Risk management policy, Risk register, Project management manual. 2016 Observations – Development of contingency plans / currency The Licensee has good documentation of its data recovery plans. The Licensee has documented the threats to specific plant but not yet developed contingencies for these threats. An inventory of spare parts has been developed. The Licensee has detailed maintenance scheduled out for several years, with minor and major shutdowns allowed to deal with potential issues. Maintenance is partly conducted on condition based maintenance which monitors critical items for indicators of future failure (eg Corona, thermo-graphic assessment, tower/line inspections). The maintenance regime is geared to keeping the plant operational without forced outages. The power quality measurement plan (a strategy to mitigate quality/reliability threats) is carried out by Western Power. Testing of contingency plans	2020 Finding – Contingency process only on formally documented contingency plan. formalised and not document controlled. Got the monthly scheduled maintenance regard load restriction. 2020 Documents reviewed – 1, 2, 40, 44, 45, 49, 56, 165 2020 Observations: No formal contingency plan in plant of the results of the rules exemption permits not a Generators can supply admin/ca. Emergency Response Plan, Inc. and Recovery Plan have some in Generator sets were maintained. Previous reports noted lack of control of the review of t	There was a draft continuence acce N-1 or N-1-1 redundance mp load but no process ident Management Plans acconsistencies between the by Cummins and no-load ontingency planning gency Test Plan has syndy not be adequate, general	rigency plan, however not arly full load tested as part ced and planned outages y. and Crisis Management nem, such as terminology tested regularly. chronising and on and off ally undertaken for 1-2hrs.



The plans have	not been developed	during the review n	eriod but have bee	n since There has	1					
been no test yet	•	during the review p	chod bat have bee	Tromoc. There has						
,	nducts major incide	nt training for the e	mergency services	crews at site.						
	ncy Plans not yet de	· ·	. g,							
Auditors Recom	mendation in 2013	report was that th	e development of	contingency plans						
	risk assessment an		•	• •						
plans. It was not	ed in the 2016 Audit	Report that the Co	ntingency Plans ha	as not been tested.						
2016 Adequacy	Rating:	2016	Performance Ra	ting:	2020 Adequacy	Rating:		202	0 Performance Ra	iting:
	В		2			С			4	
2016 Recomme	ndations:				2020 Recommer	ndation:				
	6 - Contingency pla				• R10/20)20 - Review and do	cument contir	ngenc	y plans and consid	er risks
	noted to have been d	eveloped after the	eview period (i.e. a	fter the 30/6/2016)	• R19/20	020 – Review Kara	ra Mining 330	kV P	owerline Continger	ncy Desktop Audit
• Dut no	t yet tested.				20/4/17	7 and implement red	commendation	s or c	ritically review and	document findings
					and ma	anagement action				
<u> </u>										
2016 Action:					2020 Action:					
Schedule	tests of contingend	y plan.			Refer F	Post Review Action	Plan			
	2020 AUD	OIT PLAN PRIORIT	Y RATING		20	020 REVISED AUDI	IT REPORT R	EVIE	W PRIORITY RATI	ING
CONSEQUENCE 1=Minor	RISK LIKELIHOOD A=Likely	INHERENT RISK	ADEQUACY OF EXISTING	REVIEW PRIORITY	CONSEQUENCE 1=Minor	RISK LIKELIHOOD A=Likely	INHERENT Low	RISK	ADEQUACY OF EXISTING	REVIEW PRIORITY
2=Moderate	B=Probable	Medium	CONTROLS	1/2/3/4/5/NA	2=Moderate	B=Probable	Medium		CONTROLS	1/2/3/4/5/NA
3=Major	C=Unlikely	High	S=Strong M=Moderate W=Weak		3=Major	C=Unlikely	High		S=Strong M=Moderate W=Weak	
2	С	М	М	4	2	С	М		W	3
REVISED REVI	W PRIORITY RAT	NG JUSTIFICATION	N		II .	I	I			
Very limited doc	umentation was prov	ided by Karara for	the preparation of	the Audit & Review	Plan, as such the A	Audit Priority Ratings	in the Audit F	Plan w	ere based on publi	icly available

documentation and the previous Asset Management Review. Previous inaction, misstatement and inconsistency raised the adequacy concerns.



10. FI	NANCIAL PLANNING		ADEQUACY RATING	PERFORMANCE RATING
	tain a copy of the financial planning, budgeting and reporting process and assess its effectivenes tain a copy of the current financial plan (including budget/actual) and assess whether the process			
Key F	Process – Financial brings together the financial elements of the service delivery to ensure its fin	ancial viability over the long term.	D	4
Outco No.	ome – The financial plan is reliable and provides for the long-term financial viability of the service 2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION	s. 2020 AUDIT REPORT EVIDENCE//VERIF	 	ION
10.1	OBLIGATION: The financial plan states the financial objectives and identifies strategies	and actions to achieve those		
	2016 Finding – The Licensed assets are a small part of the company core business of mining which will determine the viability of the operations. The licensed electrical assets are part of that budgeting process. The overall budgets are related to objectives / strategies and actions to achieve the objectives of reliability and continuity of supply. There is no income at present. There is a financial budget which is a financial plan given the simplicity of the financial model	2020 Finding – There was no documented identifies strategies and actions to achieve Financial Statements, Energy Budgets and Financial Controller demonstrated this proof reliability and continuity of supply.	the objectives. However, d other supporting docur	Budget Reporting Packs, nentation provided by the
	2016 Documents Reviewed – Karara Mining energy budget.	2020 Documents reviewed – 4, 5, 7, 8, 9, 10, 12, 14, 15, 17, 19, 20, 22,	24	
	2016 Observations – Financial planning process / plans The Licensee carries out budgeting and monitoring processes. These are on 1 year and 5 year cycles and upgraded year by year. Long ranges forecasting provides business outlook over the next 5 years. With Western Power wheeling power to their customer (Golden Grove) and there will be minimal income (\$1). Costs are budgeted and funded by mining operations. Costs are accrued monthly and estimates updated quarterly, The expenditure reports go to the parent body's executives. There is a financial philosophy document together with the budget which is a financial plan given the simplicity of the financial model.	Accounting processes appears to Accounting was done to Chinese standards prepared at the same Australian accounting methods well to Chinese financial year is January. The Transmission line was not Having a high up front cost, low greater than that of the mine firm main ongoing costs. RSM routinely stated that the Consolidated Entity's ability to caudit period.	se standards with an autime. vere utilised. y 1st to December 31st. separately identified in operating and maintenan nancing (establishment a	the documents provided. ce costs and an asset life nd interest) would be the significant doubt on the



						 operations the documentation doesn't meet requirements for an AMS The response "the Directors believe the Company and the Consolidated Enties each be able to continue as going concerns during the relevant period of at twelve months and that it was appropriate to adopt the going concern bapreparation of the financial statements for the year ended 31st December 201 					
2016 Adequacy	Rating:		2016 I	Performance Rat	ting:	2020 Adequacy	y Rating:		202	0 Performance R	ating:
	Α			1			D			4	
• Nil							2020 – Monitor the C sure that it is a going		Conso	olidated Entity's fin	ıancial perform
2016 Action: • Nil							Post Review Action				
	2020 AUI	DIT PLAN PR	RIORITY	RATING		2	2020 REVISED AUD	IT REPORT R	REVIE	W PRIORITY RAT	ING
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High		ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/5/
2	С	М		М	4	2	С	М		М	4
	EW PRIORITY RAT view priority rating.	I ING JUSTIFI	CATION	N .	1	<u> </u>				1	



	DIT REPORT EVIDENCE								ON/FINDING/ACTION			
OBLIGAT	ION: The financial plan	identifies the	sourc	e of funds for ca	pital expenditure a	nd recurrent cost	ts					
part of that expenditu	ling – The Licensed ass at budgeting process. The re and recurrent costs. A required for other reas	overall budge I capital expe	et ident nditure	ifies the source of will be funded from	funds for capital n mining. Minimal	Transmission L	ine and therefore r	no source of	e has been no capita funding was evident. for operational expens	Since the chang		
						2020 Documents reviewed –						
2016 Doc	uments Reviewed – Kar	ara Mining en	ergy bu	udget.		6, 12, 17, 22						
2016 OBS	ervations – As detailed i	n 10.1				 Funding has been provided through the audit period from various Chinese agencies, often underwritten by Ansteel. Refinancing improbable without Chinese banks and Ansteel support. Since the transmission line costs were not separately identified from mining ope the documentation doesn't meet requirements for an AMS 						
2016 Ade	quacy Rating:		2016	Performance Ra	ting:	2020 Adequacy	/ Rating:	2020 Performance R	Rating:			
	A			1	_		D	NR				
2016 Rec	ommendations:		2016	Action:		2020 Recommendation: 20			2020 Action:			
•	Nil			• Nil		• Nil						
	2020 AL	DIT PLAN P	RIORIT	Y RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING						
CONSEQUE	CONSEQUENCE RISK LIKELIHOOD INHEREN 1=Minor A=Likely Low 2=Moderate B=Probable Medium			ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORIT		
1=Minor 2=Moderate 3=Major	C=Officery											
1=Minor 2=Moderate	C	M		M	4	2	С	M	M	4		
1=Minor 2=Moderate 3=Major	,		ICATIO	• • •	4	2	С	M	M	4		



) .	2016 AUDIT RE	PORT EVIDENCE/	/VERIFICAT	TION/FINDING/ACTION		2020 AUDIT RE	PORT EVIDENCE/	/VERIFICATIO	ON/FINDING/ACTIO	N		
.3	OBLIGATION: T	he financial plan p	rovides pro	jections of operating st	tatements (profit an	d loss) and state	ment of financial p	osition (bala	nce sheets)			
	2016 Finding – A	As the network is or	nly part of the	core business of mining	detailed financial	2020 Finding –	The KML Financial	Statements pr	ovide projections of	profit and loss and balance		
	_			nancial plans for the min		_	ting was only for 2 y		, . , ,			
	•			atements (profit and loss)			, ,					
	financial position	(balance sheets) be	ut monitors c	osts with respect to budg	gets	2020 Document	ts reviewed - 6, 12,	, 17, 22				
	2016 Documents	s Reviewed – Kara	ra Mining en	ergy budget.		2020 Observation	ons:					
			•			• RSM	routinely states the	financials "m	ay cast significant o	loubt on the Consolidated		
	2016 Observation	ns – As detailed in	10.1			Entity's	s ability to continue	as a going co	ncern" throughout the	e 4 year audit period.		
						The re	sponse "the Directo	rs believe the	Company and the Co	onsolidated Entity will each		
							•			t period of at least twelve		
							•	-	•	ern basis in preparation of		
									led 31st December 2			
								•	increasing balance d			
									•			
						 Volatility in iron ore price makes long term forecasting e.g. 5 years, unreliable so only 2 years was used. 						
						 Since the transmission line costs were not separately identified from mining operations 						
						the documentation doesn't meet requirements for an AMS						
						•						
-	2016 Adequacy	Rating:		2016 Performance Ra	ating:	2020 Adequacy	Rating:		2020 Performance	e Rating:		
	. ,	A		1	· ·	D NR						
-	2016 Recommer	ndations:				2020 Recommendation:						
	Nil	idations.				2020 Recommendation: • Nil						
-	2016 Action:					2020 Action:						
	Nil					2020 Action: • Nil						
		2020 AUE	DIT PLAN PR	RIORITY RATING			2020 REVISED AU	IDIT REPORT	REVIEW PRIORITY	RATING		
j	CONSEQUENCE	RISK LIKELIHOOD	INHERENT	RISK ADEQUACY OF	REVIEW PRIORITY	CONSEQUENCE	RISK LIKELIHOOD	INHERENT	RISK ADEQUACY OF	REVIEW PRIORITY		
	1=Minor 2=Moderate	A=Likely B=Probable	Low Medium	EXISTING CONTROLS	1/2/3/4/5/NA	1=Minor 2=Moderate	A=Likely B=Probable	Low Medium	EXISTING CONTROLS	1/2/3/4/5/NA		
	3=Major	C=Unlikely	High	S=Strong M=Moderate		3=Major	C=Unlikely	High	S=Strong M=Moderate			
				W=Weak					W=Weak			



	2	С	М		M	4	2	С	М	M		4	
	REVISED REVIE	W PRIORITY RAT	ING JUSTIFI	ICATIO	N - No change to r	review priority rating	j.						
	2016 AUDIT RE	PORT EVIDENCE/	/VERIFICAT	ION/FII	NDING/ACTION		2020 AUDIT REP	ORT EVIDENCE/	VERIFICATIO	/FINDING/ACT	ION		
	OBLIGATION: T	he financial plan p	rovides firn	n predic	ctions on income	for the next five y	ears and reasonab	le predictions be	ond this perio	d			
-	2016 Finding –	The licensee does	not predict	income	e for access to th	e network as anv	2020 Finding – T	he transmission li	ne does not ae	nerate revenue.	with th	e intended purpose	
	_	ot yet exist and do				•	_		_			ncome for the next	
		e network per-se is i	_	•		•						for 2 years not 5 ye	
							and were based o	n mining operation	S.				
	2016 Document	s Reviewed - Kara	ra Mining en	ergy bu	dget.								
							2020 Documents	reviewed -					
	2016 Observation	ons - As detailed in	10.1				5, 6, 11, 16, 21						
							2020 Observations:						
							The transmission line does not generate income.						
							 Budget 	was for 2 years ah	ead, not 5 year	s, and very depe	endent	on iron ore prices t	
								was for 2 years ah ard to predict.	ead, not 5 year	s, and very depe	endent	on iron ore prices t	
							were ha	•	•	s, and very depe	endent	on iron ore prices t	
=	2016 Adequacy	Rating:		2016	Performance Rat	ting:	were ha	ard to predict. iing losses forecas	i.	s, and very depe		·	
_	2016 Adequacy	Rating:		2016	Performance Rat	ting:	were ha	ard to predict. iing losses forecas	i.			•	
-	2016 Adequacy 2016 Recomme	A		2016	Performance Rat	ting:	were ha	ard to predict. ling losses forecas Rating: NR	i.		nce Ra	iting:	
_		A		2016	Performance Rat 1	ting:	were ha Continu 2020 Adequacy F 2020 Recommen	ard to predict. ing losses forecas: Rating: NR dation:	i.	2020 Performa	nce Ra N	iting: R	
-	2016 Recomme	A		2016	Performance Rat	ting:	were ha Continu 2020 Adequacy F 2020 Recommen R18/20:	ard to predict. ing losses forecas: Rating: NR dation:	company and Co	2020 Performa	nce Ra N	iting: R	
-	2016 Recomme • Nil	A		2016	Performance Rat	ting:	were ha Continu 2020 Adequacy F 2020 Recommen R18/20:	ard to predict. Ard to predict. Rating: NR dation: 20 – Monitor the Co	company and Co	2020 Performa	nce Ra N	iting: R	
-	2016 Recomme • Nil Action:	A		2016	Performance Rat 1	ting:	were hat Continue 2020 Adequacy F 2020 Recommen R18/200 ensure 2020 Action:	ard to predict. Ard to predict. Rating: NR dation: 20 – Monitor the Co	ompany and Concern.	2020 Performa	nce Ra N	iting:	
	2016 Recommer Nil Action:	A ndations:	DIT PLAN PF		1	ting:	were hat Continue 2020 Adequacy F 2020 Recommen R18/20: ensure 2020 Action: Refer P	and to predict. ling losses forecas: Rating: NR dation: 20 – Monitor the Control of the con	ompany and Concern.	2020 Performa	nce Ra N y's fina	nting: R ncial performance f	
	2016 Recomme Nil Action: 2016 Action: Nil CONSEQUENCE	A ndations: 2020 AUE	INHERENT		Y RATING ADEQUACY OF	ting:	were ha Continu 2020 Adequacy F 2020 Recommen R18/20 ensure 2020 Action: Refer P	and to predict. Ining losses forecas: Rating: NR dation: 20 – Monitor the Cothat it is a going cothat Review Action	ompany and Concern. Plan DIT REPORT I	2020 Performa Insolidated Entit REVIEW PRIOR ISK ADEQUACY	nce Ra N y's fina ITY RA	nting: R ncial performance	
	2016 Recomme Nil Action: 2016 Action: Nil	A ndations: 2020 AUE		RIORITY	1 Y RATING		were hat Continue 2020 Adequacy F 2020 Recommen R18/200 ensure 2020 Action: Refer P	and to predict. Ining losses forecas: Rating: NR Idation: 20 – Monitor the Control of the con	ompany and Concern. Plan DIT REPORT I	2020 Performa nsolidated Entit	nce Ra N y's fina ITY RA	iting: R ncial performance f	



2	С	М	М	4	2	А	Н	М	2
REVISED REVIE	W PRIORITY RAT	ING JUSTIFICATIO	N	•			•		
No shange to re-	view priority rating.								



2016	S AUDIT REI	PORT EVIDENCE/	/VERIFICAT	ION/FIN	NDING/ACTION		2020 AUDIT REF	PORT EVIDENCE/	VERIFICATION/FI	NDING/ACTION			
OBL	IGATION: TI	he financial plan p	rovides for	the ope	erations and main	tenance, administ	tration and capital	expenditure requi	irements of the se	rvices			
2016	Finding -	- The financial p	lan provide	s for t	the operations a	nd maintenance,	2020 Finding - The financial costs associated with the operations and maintenance, administration						
admi	inistration and	d capital expenditu	re requireme	nts of th	ne services.		the Transmission Line were incorporated into the mine operational budget. They were noted to						
							relatively low cost	t expenditures in the	e Licensees' opera	tions.			
2016	6 Documents	s Reviewed – Kara	ra Mining en	ergy bu	dget.								
							2020 Documents	s reviewed –					
2016	6 Observatio	ns – As detailed in	10.1				6, 12, 17, 22						
							2020 Observatio	ns:					
							 No new 	works were anticip	oated				
							 Ongoin 	g costs of a transm	ission line were sm	all compared with	those of the mine.		
							Since the transmission line costs were not separately identified from mining operations the						
2016	2016 Adequacy Rating: 2016 Performance Rating:						documentation doesn't meet requirements for an AMS 2020 Adequacy Rating: 2020 Performance Rating:						
2010	A 1						2020 Adequacy	D	202	NR			
2016	Recommen	ndations:					2020 Recommendation:						
	• Nil						R9/2020 - Utilise SAP for planning of inspection and maintenance work, such as acou						
							surveys, vegetation surveys, corona, etc and compliance requirements. Ensure records						
							verifiable with supporting evidence and maintenance costs are detailed. Critical entries sho						
							be subject to third party review.						
2016	Action:						2020 Action:						
	• Nil						Refer Post Review Action Plan 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING						
		2020 AUD	IT PLAN PR	RIORITY	RATING								
CONS 1=Min	SEQUENCE	RISK LIKELIHOOD A=Likely	INHERENT Low	RISK	ADEQUACY OF EXISTING	REVIEW PRIORITY	CONSEQUENCE 1=Minor	RISK LIKELIHOOD A=Likely	INHERENT RISK	ADEQUACY OF EXISTING	REVIEW PRIORITY		
2=Mod 3=Maj	derate	B=Probable C=Unlikely	Medium High		CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/5/NA	1=MINOr 2=Moderate 3=Major	B=Probable C=Unlikely	Medium High	CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/5/NA		
	2	С	М		М	4	2	С	М	М	4		

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No change to review priority rating.
The change to review priority rating.



OBLIGATION: I	arge variances in	actual/budge	et incom	e and expenses	s are identified and	d corrective action taken where necessary						
investigate 2016 Document	 When significant ts Reviewed – Kara ons – As detailed in 	ra Mining en	·	-	are noted this is	2020 Finding – The Licensee has not experienced large variances in actual/budget incommon and expenses associated with the Transmission Line were identified. Power Demand been consistent through the audit period. 2020 Documents reviewed – 6, 12, 17, 22, 24						
						2020 Observations: No significant variances in reporting period so unable to rate responses to larg variances. No new works in reporting period. Energy demand was forecast						
2016 Adequacy	Rating:		2016 Performance Rating:			2020 Adequacy	Rating:	2020	2020 Performance Rating: NR			
2016 Recomme • Nil	endations:		2016 A	ction: Nil		2020 Recommendation: 202				2020Action: Nil		
	2020 AUE	DIT PLAN PR	IORITY F	RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING						
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	E C S	ADEQUACY OF EXISTING CONTROLS =Strong M=Moderate V=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High	RISK	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORIT	
2	С	М		М	4	2	С	М		М	4	
2 REVISED REVI		M	N V	Λ=Moderate V=Weak	4	•		, , , , , , , , , , , , , , , , , , ,		M=Moderate W=Weak		



☐ Und☐ Obta Key P annua norma	derstand the capital expenditure planning process and assess its effectiveness ain a copy of the capital expenditure plan for the current year and assess whether the process is rocess – The capital expenditure plan provides a schedule of new works, rehabilitation and replant expenditure for these works over the next five or more years. Since capital investments tend to fully be expected to cover at least 10 years, preferably longer. Projections over the next five years the meant of the capital expenditure plan provides reliable forward estimates of capital expenditure and the constant of alternatives and options are documented.	lacement works, together with estimated be large and lumpy, projections would would usually be based on firm estimates.	ADEQUACY RATING PERFORMANC RATING NR		
No .	2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION OBLIGATION: There is a capital expenditure plan covering works to be undertaken, acti	2020 AUDIT REPORT EVIDENCE//VERIF	ICATION/FINDING/ACTI	ON	
	2016 Finding – The AMP sets out "capital expenditure" but there is no significant expenditure planned. 2016 Documents Reviewed – Karara Mining energy budget	2020 Finding – There was no capital exper and no significant capital works during the r 2020 Documents reviewed – 3, 6, 11, 16, 21, 49	·		
	2016 Observations – Capital expenditure process / plans The Licensee has budgeting and monitoring processes. These are on 1 year and 5 year cycles and upgraded year by year. Long ranges forecasting provides business outlook over the next 5 to 10 years. Capital expansion and expenditure is justified against mining projects. The funds for expansion or rearrangement of the network are provided from the mine project requiring the change.	There was high capital expenditure and by nature of design and opexpenditure costs throughout the It was projected that the asset life capital spending Monitoring of this assumption sepased on 30MTpa x 30Yrs and the lt would be expected that capital Risks were not defined and asset Since the transmission line cooperations the documentation do	eration there were expect lifecycle of the asset. exceeds mine life and the hould be undertaken give the mine operation was appexpenditure for part of the expenditure for part of the expenditure for part of the expenditure for part of the	ere was no plan for further en the projections were proximately 8MTpa. e AMP. s not been considered. r identified from mining	



2016 Adequacy	/ Rating:	2	2016 Performance Ra	ating:	2020 Adequacy	Rating:	20	2020 Performance Rating:				
	Α		1			D		NI	₹			
2016 Recomme	endations:	<u>l</u>			2020 Recommendation:							
• Nil					 R2/2020 - Develop and implement an AMP for the Transmission Line compl regulatory and contractual requirements. 							
2016 Action:					2020 Action:							
• Nil					Refer Post Review Action Plan							
	2020 AUD	IT PLAN PRIO	RITY RATING		2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING							
CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT R Low Medium High	SK ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	1/2/3/4/			
2	С	М	М	4	2	С	М	М	4			
REVISED REVI	EW PRIORITY RATI	NG JUSTIFICA	TION	1		1						
No change to re	view priority rating.											



2010 A02	IT REPORT EVIDENCE	//VERIFICAT	ΓΙΟΝ/FIN	IDING/ACTION		2020 AUDIT REI	PORT EVIDENCE/	VERIFICATION/F	INDING/ACTION		
OBLIGATI	ON: The capital expend	diture plan pr	rovides ı	reasons for capit	tal expenditure an	l d timing of expen	diture				
2016 Findi	ing – The AMP does not future	set out "capit	al expen	nditure" values as t	these are unlikely	_	There was no cap		•	the Transmission Line.	
2016 Docu	ıments Reviewed – Kar	ara Mining en	ergy bud	dget		2020 Document	s reviewed - 49				
2016 Obse	ervations – As detailed i	n 11.1				 2020 Observations: Projected that asset life exceeds mine life and no plan for further capital spending original design allowed for a future second stage of mine expansion to 30Mtpa, current was 73MW for 8Mtpa It would be expected that capital expenditure form part of the AMP. Since the transmission line costs were not separately identified from mining operation. 					
2016 Adequacy Rating: 2016 Performance Rating:						2020 Adequacy	nentation doesn't me Rating:		r an AMS 20 Performance F	Rating:	
	ommendations: Nil					2020 Recommendation: R1/2020 – Formalise and implement an AMS for the transmission line. R2/2020 - Develop and implement an AMP for the Transmission Line compliant to regulat and contractual requirements. R3/2020 - Review the Asset Register to include asset type, location, material, plans components, and an assessment of assets' physical/structural condition. 2020 Action: Refer Post Review Action Plan 2020 REVISED AUDIT REPORT REVIEW PRIORITY RATING					
2016 Actio	on:										
	2020 AU	DIT PLAN PR	RIORITY	RATING							
CONSEQUEN 1=Minor 2=Moderate 3=Major	CE RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT Low Medium High		ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA	
			-						1		



No change to review priority rating.



No.	2016 AUDIT REPORT EVII	DENCE/ /VERIFICAT	TION/FINDING/ACTION		2020 AUDIT REF	PORT EVIDENCE/	/VERIFICATION/FI	INDING/ACTION						
11.3	OBLIGATION: The capital	expenditure plan is	consistent with the ass	set life and condition	n identified in the	asset managemer	nt plan							
	2016 Finding – The AMP so life rather than asset life. Th			overned by mine	e 2020 Finding – There was no capital expenditure plan developed for the Transmission Line. significant capital works during or forecast. Monitoring of the projection of asset life and mine life sho be incorporated in the AMS.									
	2016 Documents Reviewe	d – Karara Mining en	ergy budget		2020 Documents reviewed – 49									
	2016 Observations – As de	etailed in 11.1			2020 Observation There subcorring Operate spending 30Mtpa Since to	was no AMP, the mponents. The original dear, current load was	nat the asset life exessign allowed for a 73MW for 8Mtpa. e costs were not se	a future second st	asset condition or detail d no plan for further capital age of mine expansion to from mining operations the					
	2016 Adequacy Rating:		2016 Performance Ra	ating:	2020 Adequacy	Rating: D	202	20 Performance Ra	ating: NR					
	2016 Recommendations: Nil		1		R2/202and coR3/202	20 - Formalise and a 20 - Develop and important and requireme	plement an AMP fo ents. sset Register to in	r the Transmission I	Line compliant to regulatory ocation, material, plans of					
	2016 Action: • Nil				2020 Action: Refer Post Audit Action Plan									
	20	020 AUDIT PLAN PR	RIORITY RATING			2020 REVISED A	AUDIT REPORT RE	EVIEW PRIORITY F	RATING					
	CONSEQUENCE 1=Minor 2=Moderate 3=Major RISK LIKI A=Likely B=Probable C=Unlikely	Low e Medium	RISK ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA					



	2	С	М	M	4	2	С	М	М	4			
l	REVISED REVIEW PRIORITY RATING JUSTIFICATION												
	No change to revi	ew priority rating.											



No.	2016 AUDIT REPORT EVIDENCE//VERIFICAT	ION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION	DN/FINDING/ACTION							
11.4	OBLIGATION: There is an adequate process t	o ensure the capital expenditure plan is re	gularly updated and implemented								
	2016 Finding – The AMP sets out a review proce	ess. Karara has financial review processes.		ure plan developed for the Transmission Line. No							
	2016 Documents Reviewed – Karara Mining en	ergy budget	significant capital works during or forecast. Capital expenditure processes have been established by licensee for mine operation and would applied if required.								
	2016 Observations – As detailed in 11.1		2020 Documents reviewed – Nil								
			 2020 Observations: Assumption that asset life exceeds mine life and no plan for further capital spending. The Capital Expenditure Form was not a controlled document. Capital Expenditure documents presented appeared not to be fit for purpose. Since the transmission line costs were not separately identified from mining operations documentation doesn't meet requirements for an AMS 								
	2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating: D	2020 Performance Rating: NR							
	2016 Recommendations:	<u> </u>	Recommendation:								
	• Nil		and contractual requirements • R8/2020 – Review and implement a Do	AMS for the transmission line. MP for the Transmission Line compliant to regulatory composite the transmission line. Document Management System incorporating existing umentation for currency and applicability.							
	2016 Action: • Nil		2020 Action: Refer Post Review Action Plan								
	2020 AUDIT PLAN PR	IORITY RATING	2020 REVISED AUDIT REPO	RT REVIEW PRIORITY RATING							



CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA	CONSEQUENCE 1=Minor 2=Moderate 3=Major	RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY 1/2/3/4/5/NA
2	С	М	М	4	1	С	L	М	5

REVISED REVIEW PRIORITY RATING JUSTIFICATION

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Revised considering very limited capital spending involved.



□ Dete	ermine when the asset management plan was last updated and assess whether any substantial ermine whether any independent reviews have been performed. If so, review the results and actions actions the need to update the asset management plan based on the results of this review ermine when the asset management system was last reviewed.	ADEQUACY RATING	PERFORMANCE RATING	
	Process – The asset management system is regularly reviewed and updated. The asset management system is regularly reviewed and updated.	D	4	
No.	2016 AUDIT REPORT EVIDENCE//VERIFICATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIF	FICATION/FINDING/ACTI	ON
12.1	OBLIGATION: A review process is in place to ensure the asset management plan and the	le asset management system described in	it remain current	
	 2016 Finding – The AMP assigns responsibility for review of the AMS to the Utilities Superintendent. A review process is in place to ensure that the asset management plan and the asset management system described therein are kept current, but the scheduled review has not occurred. The churn of staff in the review period is a contributory factor. 2016 Documents Reviewed – Transmission Licence, Asset Register, Environmental Plans and Approvals, Spares List, Commissioning Plans, Karara Mining Financial reports, Reticulation plans, Asset management plan, Risk management policy, Risk register, Project management manual 2016 Observations – As a supplier of electricity the service delivery is heavily asset based and needs an AMS. There is ongoing review of the asset management plan. 	2020 Finding – A review process was estand was maintained in SAP (Refer SAP W the effectiveness of the measures taken by of their assets was found to be highly ineff have an AMP, there was no documented A occurred. There was no documentation attataken place. The records were misleading, 2020 Documents reviewed – 104, 105, 106, 107 2020 Observations: • Due to the high level of inconsiste team adopted an attitude of profesundertaken, and although a 2 years it appears that no review took place.	fork Order 40020231). Horelicensee to meet this oblighed fective ad unsubstantiated AMS and as such a review ached to the SAP routine in ineffectual and may indicate the fective feet evidence with the previous and scepticism. In departy AMS review was entered to meet the feet feet feet feet feet feet fe	wever, an assessment of pation in the management of the Licensee does not of the AMS cannot have to support the review had ate likely misstatement.
		The Post Audit Action Plan was of the SAP routine was closed of could be given to establishing actions.	considered ineffective in thout without independent e	valuation. Consideration



2016 Adequacy	Rating:	201	6 Performance Ra	ting:	2020 Adequacy	Rating:		2020 Pe	erformance R	ating:		
	В		2			D		4				
2016 Recomme	ndations:	l .			2020 Recomme	ndation:		1				
	internal reviews in n 2018, and formal nent System		2017, for the	• R2/202 regular • R9/202 acoust Ensure	20 - Formalise and 20 - Develop and in tory and contractual 20 - Utilise SAP for tic surveys, vegetate records are verifiald. Critical entries shad.	nplement an A requirements planning of i ion surveys, ble with supp	AMP for the s. inspection corona, e orting evice	e Transmission and maintenate and complidence and ma	on Line complia ance work, suc ance requirem			
2016 Action:					2020 Action:							
	Plan is still ineffective	e in this regard				Post Review Action	Plan					
		e in this regard	TY RATING		Refer	Post Review Action		REVIEW P	PRIORITY RAT	ΓING		
				REVIEW PRIORITY	Refer			RISK AD EX CO S= M=	PRIORITY RAT DEQUACY OF JISTING DITROLS Strong Moderate EWeak	REVIEW PRIOR		

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Likelihood and adequacy revised as no documentation was available.



2016 AUDIT REPORT EVIDENCE//VERIFIC	ATION/FINDING/ACTION	2020 AUDIT REPORT EVIDENCE//VERIFICATION	ON/FINDING/ACTION						
OBLIGATION: Independent reviews (e.g. in	ternal audit) are performed of the asset mana	nagement system							
		 2020 Finding – Process for Independent reviews (e.g. internal audit) of the as management system were not established. No AMS formally established and implemented conduct review against. 2020 Documents reviewed – 104, 105 2020 Observations: No internal audit or risk based review processes in relation to transmission line has been established Recommendations for review of AMS made in previous Asset Managem Reviews not effectively implemented. Note finding in first audit and review undertaken 5/2013 12.2 Implementation P was still ineffective in this regard SAP not used to schedule and review the AMS Threat to independence observed as the review included in SAP was raised a closed out by the same person with no supporting evidence and no approprocess. 							
2016 Adequacy Rating:	2016 Performance Rating:	2020 Adequacy Rating: D	2020 Performance Rating:						
2016 Recommendation: 3/2016 - Schedule Review of AMS Sci 2018, and formal review every 5 years System.	edule internal reviews every 2 years starting in beginning in 2017, or the Asset Management	acoustic surveys, vegetation surveys, Ensure records are verifiable with supp detailed. Critical entries should be subje • R12/2020 - Establish internal audit	nspection and maintenance work, such a corona, etc and compliance requirements orting evidence and maintenance costs arect to third party review. processes to monitor risks and ensur ssion Licence requirements and other						



2016 Action: Not yet im	plemented by the er	nd of the previous a	udit period.		2020 Action: • Refer F	Post Review Action	Plan		
	2020 AUD	IT PLAN PRIORIT	Y RATING		20	20 REVISED AUDI	T REPORT REVIE	W PRIORITY RATI	NG
CONSEQUENCE 1=Minor 2=Moderate 3=Major	A=Likely Low EXISTING					RISK LIKELIHOOD A=Likely B=Probable C=Unlikely	INHERENT RISK Low Medium High	ADEQUACY OF EXISTING CONTROLS S=Strong M=Moderate W=Weak	REVIEW PRIORITY
2	С	М	М	4	2	С	М	W	3

REVISED REVIEW PRIORITY RATING JUSTIFICATION

Very limited documentation was provided by Karara for the preparation of the Audit & Review Plan, as such the Audit Priority Ratings in the Audit Plan were based on publicly available documentation and the previous Asset Management Review. Likelihood and adequacy revised as no documentation was available.



APPENDIX 3

AND ADEQUACY ASSESSMENT AUDIT & REVIEW

Key Reference Documents

Document Adequacy Legend									
Green	Satisfactory								
Orange	Requires improvement/Review								
Red	Inadequate								



Table 17 Referenced Document Audit & Review And Adequacy Assessment

Number		ASSET PLANNING	ASSET CREATION & AQUISITION	ASSET DISPOSAL	ENVIRONENTAL ANALYSIS	ASSET OPERATIONS	ASSET MAINTENANCE	A M INFORMATION SYSTEM	RISK MANAGEMENT	CONTINGENCY PLLANNING	FINANCIAL PLANNING	CAPITAL EXPENDITURE PLANNING	REVIEW OF AMS	PERFORMANCE AUDIT
1	Wheeling Agreement between KP and WPC.pdf													
2	WP contract Untitled attachment 03393.pdf													
3	KML WPC Power Agreement CG DA Western Power.pdf											3		
4	Asset Register AGAAP June 2020.xlsx													
5	Budget Reporting Pack CY2020 Final June 2020.pdf													
6	Energy Budget 2020.xlsm													
7	KML Financial Statements AGAAP December 2019.pdf													
8	Payment Summary.XLSX													
9	2016 Asset Register.XLSX													
10	2016 Budget.pdf											3		
11	2016 Energy Budget.xlsm													
12	2016 Stat Accounts.pdf											3		
13	2016 Warehouse Report Dist'n.xlsx													
14	2017 Asset Register.XLSX													
15	2017 Budget.pdf													
16	2017 Energy Budget.xlsm													
17	2017 Stat Accounts.pdf											3		
18	2017 Warehouse Report.xlsx													
19	2018 Asset Register.XLSX													
20	2018 Budget.pdf													
21	2018 Energy Budget.xlsm													
22	2018 Stat Accounts.pdf													
23	2018 Warehouse Report.xlsx													
24	02112018000152_APES_110_Restructured_Code_Nov_2018.pdf													
25	ASA_315_Compiled_2015.pdf													
26	ASA_500_Compiled_2017.pdf													
27	ASA_530_27-10-09.pdf													
28	ASAE_3000_revised_2017.pdf													
29	ASAE_3100_Compliance_Engagements.pdf													
30	AS ISO 31000:201 (HARDCOPY)													



Number 31	HIGH VOLTAGE VICINITY PERMIT CORP_HS_FRM 1018.pdf	ASSET PLANNING	ASSET CREATION & AQUISITION	ASSET DISPOSAL	ENVIRONENTAL ANALYSIS	ASSET OPERATIONS	ASSET MAINTENANCE	A M INFORMATION SYSTEM	RISK MANAGEMENT	CONTINGENCY PLLANNING	FINANCIAL PLANNING	CAPITAL EXPENDITURE PLANNING	REVIEW OF AMS	PERFORMANCE AUDIT
	<u> </u>													
32	SANCTION TO TEST PERMIT CORP_HS_FRM 1019.pdf													
33	Travel request form 4341_001.pdf													
34	High Voltage Access Permit CORP_HS_FRM_1017.pdf													
35	KML Disposal Form.DOC													
36	CORP-AD-FRM-1046_6 - SITE ENTRY REQUEST FORM SA filled in.pdf													
37	CORP-AD-FRM-1050_2 Personnel Compliance Verificatio1 SA filled in.docx													
38	CORP-AD-FRM-1046_6 - SITE ENTRY REQUEST FORM.PDF													
39	Construction Environmental Management Plan.pdf													
40	Crisis management and recovery plan-33580_4.pdf													
41	Bushfire management plan_38199_1.pdf													
42	DOCUMENT AND DATA MANAGEMENT PLAN.pdf													
43	Change management record form_39203_2.docx													
44	incident management plan_38477_2.pdf													
45	Emergency response plan_33581_9.pdf													
46	Karara Health & Safety Management Plan.pdf													
47	DOCUMENT AND DRAWING PREPARATION PROCEDURE.pdf													
48	Purchasing Procedure.pdf													
49	Electrical design criteria_32366_1_136461266.pdf													
50	HV electrical asset Maintenance Policy_36960_1.pdf													
51	HV Electrical Safety Procedure_37563_4_140407280.pdf													
52	Approval of Auditor D215811													
53	Procurement Policy.pdf													
54	Portal screen shot.docx													
55	2013 Authority Matrix Rev0.xlsx													
57	CB 901_ LTB420E2_1HSB01108093.pdf													
	KARARA 362kV DISCONNECTOR SERVICE.pdf													
5 8									_					
67	Warehouse Report June 2020.xlsx													
68	Defect -2018-03-KARARA-0001.pdf													
69	Defect -2018-03-KARARA-0003.pdf													
70	Defect -2018-03-KARARA-0004.pdf													



Number 71	Defect -2018-03-KARARA-0005.pdf	ASSET PLANNING	ASSET CREATION & AQUISITION	ASSET DISPOSAL	ENVIRONENTAL ANALYSIS	ASSET OPERATIONS	ASSET MAINTENANCE	A M INFORMATION SYSTEM	RISK MANAGEMENT	CONTINGENCY PLLANNING	FINANCIAL PLANNING	CAPITAL EXPENDITURE PLANNING	REVIEW OF AMS	PERFORMANCE AUDIT
72	Defect -2018-03-KARARA-0006.pdf													
73	Defect -2018-03-KARARA-0007.pdf													
74	Defect -2018-03-KARARA-0008.pdf													
75	Defect -2018-03-KARARA-0009.pdf													
76	Defect -2018-03-KARARA-0010.pdf													
77	Defect -2018-03-KARARA-0011.pdf													
78	Defect -2018-03-KARARA-0012.pdf													
79	Inspection Data - KARARA MINING-2018-03-KARARA.XLSM													
80	Karara Mine Foresight Acoustic Inspection Proposal.pdf (003).pdf													
81	Defect -2018-03-KARARA-0002.pdf													
82	2018-03-KARARA.KMZ													
83	OH & S RISK MANAGEMENT.pdf													
84	Site Broad Brush Risk Register(V2).xlsm													
93	No notification of transfer to 100% Ansteel													
94	Emergency Risk Assesment.pdf													
95	Project Basis of Design.pdf													
96	Email IT.docx													
97	Backup Report Card - KAR - FULL_DESCRIPTION_09_13_2020_09_01_55 (1).html													
98	IT Systems Password Requirements.pdf													\neg
99	Electricity Transfer Access Contract Between KE and WPC (1).PDF													
100	Maintenance Services Contract between KP and WPC.PDF													
101	Karara supplemental deed.pdf													
104	Audit and Review Guidelines Electricity and Gas Licences (clean version) - published on ERA website.PDF													
105	Karara Power Pty Ltd - 2016 Performance Audit and Asset Management													
106	Review.pdf Karara Power Pty Ltd - 2016 Post Audit _ Post Review Implementation Plan.PDF													
109	Karara Mining 330kV Vegetation Survey Results\I1158- 330kvKararaPowerLine.pdf													
111	Department Water & Environmental Regulations licence 12229_L8721_2013_1_I.pdf													
112	NVCP 39614 - application for amendment (2.81 MB).msg													
113	2019_CORP-EN-LST-1002 Environmental Risk Register.XLSB													



Number 114		ASSET PLANNING	ASSET CREATION & AQUISITION	ASSET DISPOSAL	ENVIRONENTAL ANALYSIS	ASSET OPERATIONS	ASSET MAINTENANCE	A M INFORMATION SYSTEM	RISK MANAGEMENT	CONTINGENCY PLLANNING	FINANCIAL PLANNING	CAPITAL EXPENDITURE PLANNING	REVIEW OF AMS	PERFORMANCE AUDIT
	Enviro man plan controlled_documents_32659_4.pdf													
115	Legal Obligations and Document Register_2020.XLSX													
116	Down Time 28 July 2017 to 30 Nov 2017.xlsx													
117	Down Time 1 Jan 2016 to 27 July 2017 with marked power loss.xlsx													
118	image002.jpg													
119	image004.jpg													
120	image007.jpg													
121	ERA Audit INX Actions example.PNG													
122	ERA Audit INX Documentation example.PNG													
123	INX 44711 Hand Injury.pdf													
124	Maintenance OHL spec bit.pdf													
125	Current Oct 2020- technical rules 1st august 2016 version .pdf													
135	Karara Mining 330kV Vegetation Survey Results\I1158- 330kvKararaPowerLine.pdf													
146	Invoices													
150	2020 Approved Karara Mining Audit Plan													
151	REF_151_Payment of Licence Fee Invoices from 01 July 2016-30 June 2020 - Karara Power Pty Ltd - ETL6													
161	Approval of audit plan - 2020 audit and review - ETL006 - Karara Power Pty Ltd													
162	ERA NOTICE_Karara Power Pty Ltd - ETL006 - 2016 Audit & Review													
163	ERA Licence Application Guidelines and Form –Electricity Gas and Water Licences													
164	Emergency Risk Assessment													
165	Karara Mining 330kV Powerline Contingency Desktop Audit													
166	Karara ETL6 330kV Power Line Contingency Test Plan													
167	Karara Mining 330kV Powerline Contingency													
168	Karara Mining July 2019 to June 2020 Annual Compliance Report													
169	ComlplianceReport2017_2018													
170	ERA Annual Compliance Report 2016_2017													
171	ComplianceReport2018_2019													
176	Ministerial Statement 805_0													
177	ERA Email ETL6 - Accounts													