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May 20, 2010

Yukon Water Board
Suite 106, 419 Range Road
Whitehorse, Yukon Y1A 3V1

Attention: Ms. Joelle Janes, Licencing Officer

Dear Ms. Janes:

Re: Bellekeno Mine Water Licence Application QZ09-092, Supplemental Information

As discussed in our meeting with you on May 12, we are herewith submitting a Table of Errata and Clarifications. This table is organized according to the Main Application Report, showing the erratum or clarification made and the correction reference in the responses to information requests from the board.

**YUKON WATER
BOARD
APPLICATION # QZ09-092**

We are also submitting a second table which presents a summary of additional information presented in the responses to information requests from the Board which are beyond the original Main Application Report.

We hope that these tables facilitate the review process for the Board and any interveners.

Should you have any questions, please contact our office at (604)-663-4888.

Sincerely,
Alexco Keno Hill Mining Corp



Robert L. McIntyre, R.E.T.
Vice President, Business Development
Alexco Keno Hill Mining Corp

cc. external D. Buyck, FNNND, R. Holmes, YG EM&R, R. Lamb, YG Environment, C. Scheu, Yukon Water Board, S. Arell, Environment Canada
cc. internal C. Nauman, B. Thrall, T. Hall, D. Whittle, Alexco Resource Corp.
E. Allen, T. Lunday, Access Consulting Group

Attachments:

- *QZ09-092 Summary Table of Errata and Clarifications*
- *QZ09-092 Summary Table of Additional Information in Response to YWB Requests*

**WATER LICENCE APPLICATION QZ09-092
SUMMARY TABLE OF ERRATA AND CLARIFICATIONS**

	Erratum or Clarification	Main Application Reference	Correction Reference*
Application			
1.0 Introduction	None		
2.0 Project Description	Expected quantities of waste rock is clarified	Page 2-6	Exhibit 1.8 Question 76; Exhibit 1.10 Question 78 (Table 5)
	EBA conceptual design report "Conceptual Tailings and Waste Rock Management Plans Bellekeno Project near Keno City, Yukon" is presented in its entirety	Page 2-8	Exhibit 1.8 Question 77 (Attachment F); Exhibit 1.10 Question 77 (Attachment C)
	Primary backfill technology changed from paste fill to cemented rock fill; additional details regarding cemented rock fill ad presented	Page 2-22, Section 2.2.10	Exhibit 1.8 Questions 85 and 89; Exhibit 1.10 Question 85
	Predicted water quality of inputs to the mill site treatment pond are discussed and clarified, An updated table 2-14 is presented which includes all metals identified in CCME guidelines for the protection of aquatic life	Page 2-39, Table 2-14	Exhibit 1.5 Question 25; Exhibit 1.10 Question 26 (Table 2-14 revision 1)
	Size of tailings thickeners is clarified	Page 2-53, 2-54	Exhibit 1.5, Question 83
	Clarification is provided as to the intent of text describing the use of treated effluent for mill water supply	Page 2-58	Exhibit 1.8 Question 48
	Size of tailings thickeners is clarified	Page 2-61	Exhibit 1.5, Question 83
	Clarification is provided that groundwater is not being requested as a potential water source for the mill	Page 2-66	Exhibit 1.8 Question 52
3.0 Environmental Setting	Figures 3-1 and 7-1 were updated to show consistent representation of Hinton Creek	Page 3-10, Figure 3-1	Exhibit 1.5, Question 19
	Figure 3-4 is revised to include monitoring station locations for node inputs, revised again to correct station references	Page 3-19, Figure 3-4	Exhibit 1.5 Question 28 (Figure 3-4 revision 1); Exhibit 1.10 Question 29 (Figure 3-4 revision 2)

Erratum or Clarification	Main Application Reference	Correction Reference*
4.0 Socio-Economic Conditions	None	
5.0 Potential Environmental Effects and Proposed Mitigation	Page 5-21	Exhibit 1.8 Question 31; Exhibit 1.10 Question 31; Exhibit 1.11 Item 5 (Attachment C)
6.0 Environmental Management Plans	Page 6-3	Exhibit 1.8 Question 39
Clarification is provided on mine water use and recycling	Page 6-3	Exhibit 1.8 Questions 49 and 51; Exhibit 1.10 Question 4 (Table 1)
Clarification on the total water use, infrastructure and waste deposits in this licence compared with previous licences	Page 6-3	Exhibit 1.8 Question 50
The maximum camp size is clarified	Page 6-3	Exhibit 1.8 Question 51
Clarification on the total water use requested for the Bellekeno Mine in this licence compared with previous licences is provided	Page 6-4	Exhibit 1.8 Question 44; Exhibit 1.10 Question 44; Exhibit 1.11 Item 4
The basis for the maximum daily mill water use is clarified and discussed	Page 6-4	Exhibit 1.8 Questions 40, 41 and 43, (Table 6-5 revision 1); Exhibit 1.10 question 40 (Table 6-5 revision 2), Question 41(2); Exhibit 1.11 Item 1 (Attachment A)
Mill water balance is updated and clarified twice, additional details regarding mill site water management infrastructure is provided	Table 6-4	Exhibit 1.8 Question 58
Clarification on expected Bellekeno 625 mine adit discharges and treatment performance is provided	Table 6-5	Exhibit 1.8 Question 53
Clarification that water use of over 85.5m ³ /day is not being requested during mill commissioning	Page 6-7, Table 6-3	Exhibit 1.10 Question 42(2) (Table 6-3 revision 1)
Table 6-3 is updated to reflect the updated DSTF runoff estimate	Page 6-9, Table 6-4	Exhibit 1.8 Questions 37, 38 and 59; Exhibit 1.10 Question 59
Mine water inflows and treatment system capacity are discussed	Page 6-10, Figure 6-2	Exhibit 1.8 Question 43 (Figure 6-2 revision 1)
Figure 6-2 mine water use schematic is updated to show the water associated with waste rock removal		

	Erratum or Clarification	Main Application Reference	Correction Reference*
	Mill water balance is updated and clarified twice, additional details regarding mill site water management infrastructure is provided	Page 6-12, Table 6-5	Exhibit 1.8 Question 40, 41 and 43 (Table 6-5 revision 1); Exhibit 1.10 Question 40 (Table 6-5 revision 2), Question 41(2); Exhibit 1.11 Item 1 (Attachment A)
	Estimate of daily runoff from the dry stack tailings facility is clarified and updated in table 6-5 and figure 6-3 revision 1; predicted 10% bleed water from DSTF is added in revision 2	Page 6-12, Table 6-5 (Rev. 2)	Exhibit 1.8 Question 41 (Table 6-5 revision 1 and Figure 6-3 revision 1); Exhibit 1.10 Question 45 (Table 6-5 revision 2 and Figure 6-3 revision 2)
	Modifications to the water treatment system at Bellekeno 625 are discussed	Page 6-15	Exhibit 1.8 Question 55
	Predicted water quality of inputs to the mill site treatment pond are discussed and clarified, An updated table 2-14 is presented which includes all metals identified in CCME guidelines for the protection of aquatic life	Page 6-23, Section 6.1.5.5	Exhibit 1.5 Question 25; Exhibit 1.10 Question 26 (Table 2-14 revision 1)
	Clarification on methodology used to estimate mill site runoff and pond sizing	Page 6-23, Section 6.1.5.5	Exhibit 1.8 Question 35 and 46; Exhibit 1.10 Questions 35 and 46
	Additional details regarding proposed mill site water treatment plant and ground based discharge system are presented; sizing of this infrastructure is corrected for consistency and predicted mill site water quality discharge is discussed	Page, 6-27, Figure 6-8	Exhibit 1.8 Question 63; Exhibit 1.10 Question 63; Exhibit 1.11 Item 1 (Attachment A)
	Clarification as to the purpose of table 6-6 in the Main Application Report	Page 6-28, Table 6-6	Exhibit 1.8 Question 34
	Table 6-7 is updated to include proposed effluent quality discharge numbers for ammonia nitrogen, cadmium and silver.	Page 6-29, Table 6-7	Exhibit 1.5, Question 26
	The effectiveness of Bellekeno 625 to remove nitrogen residuals is discussed	Page 6-29, Table 6-7	Exhibit 1.8 Question 60
	Additional details regarding proposed mill site water treatment plant and ground based discharge system are presented; sizing of this infrastructure is corrected for consistency and predicted mill site water quality discharge is discussed	Page 6-29, Section 6.1.6.2	Exhibit 1.8 Question 63; Exhibit 1.10 Question 63; Exhibit 1.11 Item 1 (Attachment A)

Erratum or Clarification	Main Application Reference	Correction Reference*
Additional details regarding proposed expanded septic field for the Flat Creek Camp is presented, proposal of a rotating bioreactor system is removed	Page 6-30	Exhibit 1.8 Question 68; Exhibit 1.10 Question 68
Discussion on temporary potentially-AML Waste Rock Storage Facilities	Page 6-30	Exhibit 1.8 Question 78; Exhibit 1.10 Question 78 (Table 5)
Expected quantities of waste rock is clarified	Page 6-31	Exhibit 1.8 Question 76, Exhibit 1.10 Question 78 (Table 5)
Sludge to be co-disposed in DSTF and underground during operations; also sludge management post closure of the DSTF to include use of district wide sludge storage facilities	Page 6-74, Section 6.4	Exhibit 1.5 Questions 65 and 66; Exhibit 1.8 Question 10; Exhibit 1.10 Questions 10, 65 and 67
Term of the requested licence is changed from 15 years to 10 years to reflect YESAA assessment	Page 6-76, Table 6-12	Exhibit 1.8 Question 91
7.0 Environmental Monitoring Program and Surveillance Network		
Figures 3-1 and 7-1 were updated to show consistent representation of Hinton Creek	Page 7-5, Figure 7-1	Exhibit 1.5 Question 19
Table 7-2 revised to include KV-75 (noted that it has been reclaimed), updated to include KV-72 in rev. 2, Phosphorous and DOC added to monitoring	Page 7-7, Table 7-2	Exhibit 1.5 Question 20; Exhibit 1.10 Questions 17 and 22
The new monitoring site in upper Christal Creek is corrected	Page 7-7, Table 7-2	Exhibit 1.10 Question 91 (Table 7-2 revision 2)
8.0 Decommissioning and Reclamation		
Responsibility for preexisting and new environmental liabilities is clarified	Page 8-1, Section 8	Exhibit 1.10 Question 9
9.0 Acknowledgement and Certification		
None		
10.0 References		
None		

Application Appendices	Erratum or Clarification	Main Application Reference	Correction Reference*
1.3.6 Appendix F Environmental Conditions Report, 1.3.6.5 Appendix E Adit Discharge Survey 2007	Path of discharge from Galkeno 300 is clarified to flow along Calument Drive and report to Hinton Creek	1.3.6.5 Environmental Conditions Report, Appendix E Adit Discharge Survey 2007	Exhibit 1.5 Question 13
1.3.6 Appendix F Environmental Conditions Report, 1.3.6.5 Appendix G Water Quality Assessment Report	Clarified commitments to analyze for phosphorous and DOC	1.3.6.5 Environmental Conditions Report, Appendix G Water Quality Assessment Report	Exhibit 1.5 Questions 22(c) and (d)
1.3.7 Appendix G	Conceptual design report for the dry stack tailings facility and surface water management is presented to replace the conceptual design report; additional clarifications with respect to DSTF design and performance are presented	Exhibit 1.3.7	Exhibit 1.8 Question 81 (Attachment C); Exhibit 1.10 Question 81
1.3.9 Appendix I	Table 3 of Appendix I of main application report is updated to ensure consistency with monitoring station nomenclature	Appendix I (Exhibit 1.3.9) table 3	Exhibit 1.8 Question 74
1.3.11 Appendix K Preliminary Decommissioning and Reclamation Plan	The success and performance of the Galkeno 900 bioreactor is discussed and interim report is presented in the context of use of this technology for mine and mill closure; more recent Galkeno 900 bioreactor performance data are presented	Appendix K (Exhibit 1.3.11), Page 5-7	Exhibit 1.8 Question 56 (Attachment G); Exhibit 1.10 Question 56 (Table 4)
1.3.13 Appendix M	Proposed mine closure water treatment measures are described and evidence that proposed measures will be effective in ensuring compliance with effluent quality standards is presented	Appendix K (Exhibit 1.3.11), Page 5-7	Exhibit 1.8 Question 61; Exhibit 1.11 Item 6
	Potential impacts to groundwater at the mill site are discussed and forthcoming SRK groundwater study is mentioned	Appendix M (Exhibit 1.3.13)	Exhibit 1.8 Question 71
	Figure - relationship between mill site and Keno City town well is updated for the Flame and Moth site	Exhibit 1.3.13 Figure 1	Exhibit 1.8 Question 72 (Figure 1 revision 1)

	Erratum or Clarification	Main Application Reference	Correction Reference*
Other Exhibits			
1.4 Construction Site Plan 1.4.1 Appendix A Drawing A00-09-012	Water Balance Process Flowsheet (A00-09-012) is discussed and replaced with A00-09-014 to reflect final water balance	Exhibit 1.4.1 Appendix A drawing A00-09-012	Exhibit 1.8 Question 47; Exhibit 1.10 Question 47 (updated A00-09-014)

*If more than one correction reference exists, the last one provides the most accurate or final response

WATER LICENCE APPLICATION QZ09-092
SUMMARY TABLE OF ADDITIONAL INFORMATION IN RESPONSE TO YWB REQUESTS

Location of Additional Information	Additional Information in Response to YWB Requests	Reference to Request
Exhibit 1.5		
Page 4 of Response, Figure 1 (labeled Figure Q8)	Location map showing First Nations Settlement Lands	Exhibit 4.1, Page 2, Question 8
Page 6 of Response, Answer to Question 14, Attachment D (Separate CD)	Updated water quality database is presented – 2009 Keno Hill Water Quality Database	Exhibit 4.1, Page 4, Question 14
Page 14 of Response, Figure 2 (unlabelled)	Figure depicting historical mass loading for zinc – Lightning Creek Mass Loading Model	Exhibit 4.1, Page 7, Question 28
Page 18 of Response, Answer to Question 69	New on site septic field identified to be constructed at Flame and Moth mill site.	Exhibit 4.1, Page 13, Question 69
Exhibit 1.6		
Exhibit 1.6 - Report	Stevelan Consultants - Closure Liability Cost Estimates for Alexco's Bellekeno Mine Project	None
Exhibit 1.7		
Exhibit 1.7 - Licence	Quartz Mining Licence QML-0009	None
Exhibit 1.8		
Page 6 of Response, Answer to Question 33, Exhibit 1.8.4 Attachment D	Daily internal testing results and external weekly testing results for adit water quality during drawdown of Bellekeno mine pool	Exhibit 4.1, Page 8, Question 33
Page 6 of Response, Answer to Question 33, Exhibit 1.8.4 Attachment D	Daily internal testing results and weekly external testing results for adit water quality during drawdown of the Bellekeno mine pool during 2009	Exhibit 4.1, Page 8, Question 33
Page 21 of Response, Table 1 in Answer to Question 42	The number of flow measurements utilized to develop average flow rates listed in table 6-3 of the Main Application Report are presented	Exhibit 4.1, Page 8, Question 42
Page 28 of Response, Answer to Question 57	A review of operational performance at the Bellekeno 625 water treatment during dewatering and post dewatering is presented	Exhibit 4.1, Page 11, Question 57
Page 30 of Response, Figure 2	Bellekeno 625 Treated Total Zinc Concentrations and Flow	Exhibit 4.1, Page 11, Question 57
Page 30 of Response, Figure 3	Bellekeno 625 Treated TSS and Turbidity	Exhibit 4.1, Page 11, Question 57
Page 31 of Response, Table 2	Total Suspended Solids at the Bellekeno Water Treatment Facility	Exhibit 4.1, Page 11, Question 57

Location of Additional Information	Additional Information in Response to YWB Requests	Reference to Request
Page 34 of Response, Answer to Question 64	Anticipated sludge volume produced during operations and closure from the mine and mill are presented	Exhibit 4.1, Page 12, Question 64
Page 44 of Response, Figure 5	Christal Creek mass loading inputs schematic is presented	Exhibit 4.1, Page 14, Question 74(c)
Page 46 of Response, Table 4	The number of discharge measurements used in the mass loading model are presented	Exhibit 4.1, Page 14, Question 74(d)
Page 51 of Response, Answers to Questions 87-90	Additional details regarding mine backfill is discussed	Exhibit 4.1, Page 15, Questions 87-90
Exhibit 1.9		
Exhibit 1.9 - Letter	Request to construct bridge over Lightning Creek is withdrawn from application QZ09-092. A separate Type B water licence application is filed to license Lightning Creek bridge	None
Exhibit 1.10		
Page 3 of Response, Answer to Question 9	Responsibility for pre-existing and new environmental liabilities both terrestrial and aquatic are identified and discussed	Exhibit 4.2, Page 9, Question 9
Page 5 of Response, Table 7-2	Sampling frequency at quarterly monitoring stations increased to 5 times per year	Exhibit 4.2, Page 7, Question 24(g) and Page 4, Question 17
Attachment B to Response, see Page 14 Answer to Question 27 (2)	Details regarding Bellekeno 625 water treatment system modification are presented	Exhibit 4.2, Page 8, Question 27(2)
Pages 16-17 of Response, Answer to Question 33	An analysis comparing internal AA results and external lab results is presented	Exhibit 4.2, Page 9, Question 33
Page 18 of Response, Table 2a	KV-42: Bellekeno 625 Adit Discharge	Exhibit 4.2, Page 9, Question 33
Page 18 of Response, Table 2b	KV-43: Bellekeno 625 Treated Decant Water	Exhibit 4.2, Page 9, Question 33
Page 19 of Response, Figure 1a	Zinc Results, Correlation Analysis, External Analysis vs. Elsa AA (all data)	Exhibit 4.2, Page 9, Question 33
Page 20 of Response, Figure 1b	Zinc Results, Correlation Analysis, External Analysis vs. Elsa AA (Zn<1.5 mg/L)	Exhibit 4.2, Page 9, Question 33
Pages 21-23 of Response, Answer to Question 36,	Results of 1996 Hydrology Report and the relevance of missing flow data for KV-7, KV-9 and KV-41 are discussed	Exhibit 4.2, Page 10, Question 36
Pages 23-24 of Response, Answer to Question 37	A discussion on the Bellekeno mine hydro-geology is presented providing evidence of expected mine water inflows during mine development	Exhibit 4.2, Page 11, Question 37
Page 25 of Response, Figure 2	Bellekeno 625 Adit Water Discharge	Exhibit 4.2, Page 11, Question 37
Page 28 of Response, Table 3	Number of Water Quality Measurements Taken at Stations used in the Mass Loading Model. The number of flow measurements utilized to develop average flow rates listed in table 6-3 of the Main Application Report are presented.	Exhibit 4.2, Page 12, Question 42(1)
Attachment D to Response, see Page 43 Answer to Question 80	Mine wall testing results for 2009 for QZ07-078 are presented	Exhibit 4.2, Page 17, Question 80

Location of Additional Information	Additional Information in Response to YWB Requests	Reference to Request
Exhibit 1.11		
1.11.1 Attachment A to Response	EBA Letter dated April 23, 2010 re Preliminary design of the Water Management system	Exhibit 4.3, Page 1, Issue 1
1.11.2 Attachment B to Response	Raw Form of Data for stations KV-7, KV-9, and KV-41 for 2008 and 2009.	Exhibit 4.3, Page 4, Issue 3
1.11.3 Attachment C to Response	Excerpt from SRK report 200708 Geochemical Studies	Exhibit 4.3, Page 4, Issue 5
1.11.4 Attachment D to Response	Minnow Letter Re Clarification of Intended Minnow Reports	Exhibit 4.3, Pages 3-4, Issue 2
Exhibit 1.12		
Exhibit 1.12 - Report	SRK 2010 Bellekeno Groundwater Program	Exhibit 4.3, Page 4, Issue 5