

YUKON WATER BOARD

WATER USE APPLICATION QZ08-084

TYPE A QUARTZ WATER USE LICENSE
FOR THE OPERATION, BY CARMACKS COPPER LTD.,
OF A QUARTZ MINING UNDERTAKING

Held on
February 15 to 19 Inclusive,
and March 1 & 2, 2010
At Whitehorse, Yukon

VOLUME 2 (PAGES 179 - 383)
February 16, 2010

BEFORE BOARD MEMBERS:

Bruce Willis, Q.C.	Chair
Ron Johnson	Vice-Chairperson
Anne Leckie	Member
Luke Johnson	Member
Stephen Johnson	Member
Dave Keenan	Member
George MacKenzie-Grieve	Member
Dianna Raketti	Member

ADVISORS:

Cord Hamilton & Leslie Gomm	Technical Consultants
--------------------------------	-----------------------

BOARD STAFF:

Carola Scheu	Manager, Water Board
Kelly Boutilier	Licensing Officer
Rebekah Dunphy	Administrative & Financial Services Coordinator

TRANSCRIBER:

Doug Ayers	Doug Ayers Reporting Services
------------	----------------------------------

APPEARANCES:

Applicant:

Carmacks Copper Ltd.

B. Armstrong, Legal Counsel
J. Clegg
C. Derome
J. Harrington
J. Hull
D. Petkovich
N. Speiss
P. Stecko
B. Thrall
P. West-Sells
F. Esford

Interveners:

Yukon Conservation Society

L. Rifkind
K. Baltgailis

Selkirk First Nation

D. Gill
B. McAlpine

Little Salmon Carmacks
First Nation

A. Pape, Legal Counsel
E. Skookum, Chief
D. Johnson, Councilor
J. O'Brian, Councilor
M. Skookum, Councilor
S. Wrixon, Councilor
J. Sam, Elder
G. Sam, Elder
J. Baker
J. Kuipers
R. Moar
T. Pearse
B. Slater

Selkirk Renewable Resource
Council

J. Kruse
R. Alfred

Environment Canada

J. Miller
E. Soprovich

Government of Yukon

L. Henderson, Legal Counsel
K. McDonnell
B. Truelson
R. Holmes
R. Lamb
D. Flather
D. Fraser

INDEX

VOLUME 1, February 15, 2010 (Pages 1 - 178)

	<u>Page</u>
Procedural Matters	1
Presentation Carmacks Copper Ltd.	10-11
Corporate Overview - C. Derome	12
Facility Description - J. Clegg	27
Environmental Setting Management Plans - D. Petkovich	70
Water License Overall Objective - J. Clegg	89
Site-Specific Water Quality Objectives - P. Stecko	128
Reclamation Approach, Contingency & Monitoring	
Costs and Examples - B. Thrall	162

VOLUME 2 February 16, 2010 (Pages 179 - 383)

Procedural Matters	179
Further Presentation by Carmacks Copper Ltd.	
New Proposed Water License - J. Clegg	182
Questioned by The Yukon Conservation Society	185
Questioned by Selkirk First Nation	214
Further Presentation by Carmacks Copper Ltd.	
Re: Liners - J. Hull	233
Further Questioned by Selkirk First Nation	244
Questioned by Little Salmon Carmacks First Nation	247

VOLUME 3 February 17, 2010 (Pages 384 - 543)

Further Questioning of Carmacks Copper Ltd.	
Questioned by Little Salmon Carmacks First Nation	385
Procedural Matters	424
Further Questioning of Carmacks Copper Ltd.	
Questioned by Little Salmon Carmacks First Nation	452
Questioned by Selkirk Renewable Resource Council	463
Questioned by Environment Canada	465
Questioned by Government of Yukon	476
Questioned by The Water Board	486

INDEX (Continued)

VOLUME 4 February 18, 2010 (Pages 544 - 787)

Procedural Matters	544
Further Questioning of Carmacks Copper Ltd.	
Questioned by the Water Board	548
Questioned by the Water Board's Technical Consultant	576
Procedural Matters	707
Intervention by Yukon Conservation Society	
Questioned by Carmacks Copper Ltd.	717
Questioned by The Water Board	718
Intervention by Selkirk First Nation	
Questioned by Little Salmon Carmacks First Nation	725
Questioned by the Water Board	744
Questioned by the Water Board's Technical Consultant	747
Intervention by Little Salmon Carmacks First Nation (Chief E. Skookum; Elder J. Sam; Elder G. Sam; M. Vance)	
	750

VOLUME 5 February 19, 2010 (Pages 788 - 1048)

Intervention by Little Salmon Carmacks First Nation (Continued)	
Questioned by the Water Board	793
Intervention by Little Salmon Carmacks First Nation (J. Kuipers)	
	805
Procedural Matters	
	909
Intervention by Little Salmon Carmacks First Nation (J. Kuipers, Continued)	
	914
Procedural Matters	
	925

INDEX (Continued)

(Volume 5 Continued)

Intervention by Little Salmon Carmacks First Nation (J. Kuipers, Continued)	
Questioned by Selkirk First Nation	930
Questioned by Carmacks Copper Ltd.	932
Procedural Matters	972
Intervention by Little Salmon Carmacks First Nation (J. Kuipers, Continued)	
Further Questioned by Carmacks Copper Ltd.	976
Questioned by the Water Board	1006
Questioned by the Water Board's Technical Consultant	1032
Further Questioned by the Water Board	1035
Intervention by Little Salmon Carmacks First Nation (J. Kuipers, Continued)	1037
Procedural Matters	1038
VOLUME 6, March 1, 2010 (Pages 1049 - 1249)	
Procedural Matters	1049
Intervention by Little Salmon Carmacks First Nation (B. Slater)	1058
Questioned by Yukon Conservation Society	1114
Questioned by Government of Canada	1117
Questioned by the Water Board	1119
Questioned by the Water Board's Technical Consultants	1136
Procedural Matters	1138
Presentation by Carmacks Copper Ltd. re: Undertakings Filed March 1, 2010	
Questioned by the Water Board's Technical Consultant	1140
Procedural Matters	1149
Intervention by Selkirk Renewable Resource Council	1150
Questioned by the Water Board	1155

INDEX (Continued)
(Volume 6 Continued)

Intervention by Environment Canada	1157
Questioned by Selkirk First Nation	1162
Questioned by Selkirk Renewable Resource Council	1163
Questioned by Little Salmon Carmacks First Nation	1164
Questioned by the Water Board	1166
Questioned by the Water Board's Technical Consultants	1169
Intervention by Government of Yukon	1176
Questioned by Yukon Conservation Society	1181
Questioned by Little Salmon Carmacks First Nation	1188
Questioned by Selkirk Renewable Resource Council	1202
Questioned by Carmacks Copper Ltd.	1204
Questioned by the Water Board	1209
Questioned by the Water Board's Technical Consultants	1233

VOLUME 7, March 2, 2010 (Pages 1250 - 1395)

Carmacks Copper Ltd. Response to Interventions	1252
Closing Remarks:	
Yukon Conservation Society	1287
Selkirk First Nation	1291
Little Salmon Carmacks First Nation	1295
Selkirk Renewable Resource Council	1346
Environment Canada	1349
Government of Yukon	1350
Carmacks Copper Ltd.	1352

(The Proceedings concluded at 2:25 p.m., March 2, 2010)