

March 31, 1978

013555

Mr. Graham Wallis  
Robertson Research (North America) Ltd.  
501 Cleveland Crescent S.E.  
Calgary, Alberta

Dear Graham:

Re: Yukon Coal Samples

Thank you for CSIRO report 924P.

I have a comment to make regarding Figure 2. Samples appear to have been plotted on a calculated mineral matter basis from data presented in Table 2. It seems to me that comparison with Australian and other coals should be done on a mineral-matter-free basis on Figures 1 and 2, to agree with the discussion of Coal Type on page 3. Please let me know what you think of this.

Yours sincerely,

Roderic P. Hill  
CYPRUS ANVIL MINING CORPORATION

RPH/cb

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RESEARCH CGY

ANVIL VCR  
MARCH 13/78

ROBERTSON RESEARCH  
CALGARY

ATTN GRAHAM WALLIS

RE PETROGRAPHIC ANALYSIS

THANK YOU FOR INTERIM REPORT ON PETROGRAPHY OF YUKON COAL  
SAMPLES BEFORE FINAL REPORT IS MADE PLEASE COMPARE THESE  
DATA WITH PREVIOUS DATA (REPORT NO. 480), WHICH WERE DERIVED  
FROM SAMPLES FROM THE YUKON OF KNOWN MID-JURASSIC AGE  
(LABERGE GROUP)

ROD HILL  
CYPRUS ANVIL MINING CORP

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RESEARCH CGY

ANVIL VCR

BERTSON RESEARCH

\* ANVIL VCR

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DEC 1 22/77

TO: CYPRUS ANVIL

FROM: HRDL

FROM: G R WALLIS

R: YUKON SAMPLES

INTERIM RESULTS REC'D AS FOLLOWS:

I HAVE ASKED FOR CLARIFICATION OF PARA 'C'.

1. RE YUKON SAMPLES

A. PROVISIONAL RESULTS ARE:

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FIELD NO.	RO MAX PC	VIT.	EX.	07// FUS.	SEMI-FUS	MIC.	MM
PR-3	0.29	87	5	-	1	TRAC	7
DM-1	0.56	30	9	1	43	12	5
PC-1	2.79	21	-	3	73	1	2
LT-1	6.20				COKED COAL WITH CARBONATE		
JC-1	0.48	59	TRAC	1	3	1	36
GC-1	2.71	3	-	3	90	3	1
SS-1	0.51	8	4	TRACE	4	3	6
RR-1	1.98	6	-	2	86	5	1
PR-8	0.43	97	2	-	TRACE	TR	1
RRX8						CE	
DM-2	0.58	18	5	2	62	11	2
PC-2	3.10	82	-	TRAC	16	TRACE	2
DM-3	0.64	6	4	2	70	11	7

B. FOR FINAL REPORT IT WOULD BE PREFERABLE TO KNOW:

- (A) AGE OF EACH SAMPLE
- (B) SAMPLE LOCATION, I.E. KEY TO FIELD SAMPLES PREFIXES
- (C) ARE IGNEOUS INTRUSIONS KNOWN?

C. NOT POSSIBLE TO PREDICT 'USE' PARAMETER ON THERM

MORPHOSED COALS, I.E. PC-1, LP-1, GC-1, RR

PC-2 (PRESUMED NOT ARTIFICIALLY HEATED) PR-3

HAS PREDICTED LLXX 11-12,000 BTU/LB DMMF. OTHER SIZE SAMPLES 13/14,000 BTU/LB DMMF. DETAILS AND CLASSIFICATION WILL FOLLOW.

MERRY XMAS  
G R WALLIS  
RESEARCH CGY

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CALGARY

ATTN PETER RAUWERDA

FROM ROD HILL  
CYPRUS ANVIL MINING CORPORATION

RE COAL PETROGRAPHY, PEEL RIVER PROJECT

ANALYTICAL DATA FOR PR-3 AS FOLLOWS (AIR-DRY BASIS):-

MOISTURE	10.41 PERCENT
ASH	13.91
VOLUME	39.42
F.C.	36.26
CALORIFIC VALUE	9.070 BTU/LB
S	0.30 PERCENT

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October 6, 1977

Mr. P. J. Rauwerda  
Robertson Research (North American) Ltd.  
501, Cleveland Crescent S.E.  
Calgary, Alberta  
T2G 4R8

Dear Mr. Rauwerda:

I am sending you twelve coal samples for petrographic analyses. These samples are from various localities in the Yukon; all are from outcrop, and hence may be oxidized to some degree. They range in age from mid-Jurassic to Tertiary, and vary in rank from lignite to bituminous.

I request a maceral analysis and vitrinite reflectance determination for each sample, and a report similar to that presented previously for samples submitted by Cyclone Engineering Sales Ltd. (Report No. 480, Project No. S/I/767/283/II). In addition to the information presented in Report No. 480, I would also like for each sample a predicted B.T.U. value for raw coal (if possible) and an A.S.T.M. rank designation.

Sample designations are as follows:-

PR3, PR8            *PEEL*  
DM1, DM2, DM3    *DIV. MTH.*  
PC1, PC2          *PORTER COAL.*  
LP1                *LONE PINE MTH.*  
JC1                *JUMPOT CR.*  
GC1                *GUDER'S COAL*  
FF1  
RR1                *ROSS RIVER.*

For the purposes of reporting and invoicing, sample PR3 should be regarded as one project (Peel River Project) and the remainder regarded as a second project (Coal - General Interest).

I am having proximate and B.T.U. determinations performed on PR3 and PR8, and proximate, B.T.U. and F.S.I. determinations on DM1 to 3 and RR1, and will forward this information as it becomes available.

If you require any further information regarding the samples or the

Mr. P. J. Rauwerda

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October 6, 1977

analysis, I would be pleased to discuss the project with you.

Yours truly,

CYPRUS ANVIL MINING CORPORATION

Roderic P. Hill

RPH/cb

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ANVIL VCR

RESEARCH CGY

TO: MR ROD HILL

CYPRUS ANVIL

FROM: G R WALLIS

RE: YUKON PETROGRAPHY

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(1) SAMPLE PR-3 HAS PREDICTED 11-12,000 BTU/LB (DMMF)

(2) SAMPLES WA DM-1, JC-1, SS-1, PR-8, DM-2, DM-3, HAVE PREDICTED  
13-14,000 BTU/LB DMMF.

REGARDS

WALLIS

RESEARCH CGY