

**COMMONWEALTH ALUMINIUM CORPORATION LIMITED**  
**DESPATCH and LABORATORY WORK REQUISITION NOTE**

REFERENCE No. AB/Y/MOWA/- No: OLM: 80  
 TO: ANDEL (ATTN. J. GOOSEN) FROM: A. H. BARTLETT  
 AT: FRENCHVILLE, S.A. 5063. AT: 95 COLLINS ST.,  
 DATE: 29<sup>TH</sup> MARCH, 1976 MELBOURNE. TEL: 654 4211  
 Per: \_\_\_\_\_ Consignment No.: \_\_\_\_\_  
 No. of Items: \_\_\_\_\_  
 Category: ~~EXPLORATION, R. & D., PRODUCTION, EXTERNAL~~  
 Claimable Under I. R. & D. Grant: YES/~~NO~~

Sample Numbers	Sample Type	Work Required
<u>MOWA / 1</u>	<u>CRUSHED</u>	<u>LOW GRADE FLUORITE ORE (~20% CaF<sub>2</sub>)</u>
	<u>ROCK</u>	<u>FROM MOWA, TAS. - "FLUORITE"</u>
<u>MOWA / 2</u>	<u>"</u>	<u>MAGNETITE SKARN</u>

AIM: TO DETERMINE WHETHER OR NOT "ACID GRADE"  
FLUORITE CAN BE EXTRACTED CHEMICALLY FROM THE  
ORE SAMPLES PROVIDED.

METHOD: DETAILS CONFIDENTIAL TO ANDEL UNTIL LARGER  
SCALE TESTS UNDERTAKEN. BUT, UNDERSTOOD TO INVOLVE:  
(i) LOW TEMP. HEAT TREATMENT ~ 400°C. (ii) LEACH.

RESULTS: FULL ANALYSES AND COMMENTS TO BE  
ADVISED ALSO RECOMMENDATIONS FOR FUTURE WORK  
SINCE ORE CONTAINS UP TO 0.5% Sn IN FINELY  
DIVIDED FORM, ADVICE IS ALSO NEEDED ON THE  
BEHAVIOR AND EXTRACTION OF THIS MINERAL.

TOTAL NUMBER OF SAMPLES:

SEND RESULTS TO: (1) A. H. BARTLETT (2) DR. J. C. NIXON (3) W. H. ANDY

CHARGE TO: COMALCO

SIGNATURE: A. H. Bartlett

THIS COPY TO THE LABORATORY WITH SAMPLES.