

Laboratory Report

Cyprus Industrial Minerals Co.
Technical Center

8985 E. Nichols Avenue
Englewood, CO 80112

PLAINTIFF'S
EXHIBIT
CAM-340

Filing No. 88-243

References: 88-240

Key: N. Carolina Talc

Date of Report: 10/25/88

Date of Work Request / By: 10/24 - R. Weeks

Copies: R. Weeks, E. Reade,
E. McCarthy, D. Baker

Reported By: P. Colville

Approved By: P. Colville

Classification: Confidential

Status: Preliminary

Subject: Survey samples received from the following claims/properties:
Proffit (3), Cheek (2), Fender (2) and Stewart (5).

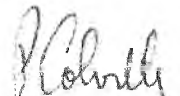
Objective: Preliminary evaluation as potential talc source.

Results:

Attached table shows mineralogy estimated from X-ray diffraction scans.

Only one of the samples looked good - Steward #11. This sample was from the composite used for flotation testing (Ref. 88-240). The test did not give a mineralogically acceptable product.

Judging from the intense red color of the LOI residues from these talcs, they are all high in iron.


P. COLVILLE

MC

Attachment

CYPRUS

ITA-Ratcliff-000074

MINERALOGY ESTIMATED FROM X-RAY DIFFRACTION SCANS

SAMPLE	GEB	LOI	TALC	CHLORITE	DOLOMITE	CALCITE	MICA	QUARTZ	FELDSPAR	OTHER
Proffit #1	68	4.04	~ 86	5	1					7 Amphibole 1 Magnesite
#2	60	5.55	~ 77	15	tr					5 Amphibole 2 Magnesite
#3	60	4.55	~ 73	15	1					10 Amphibole 1 Magnesite
Cheek #1	62	3.89	~ 60	2			35	2		~ 1 Amphibole
#2	64	3.82	~ 60	2			35	2		2 Amphibole
Fender #4	65	4.34	~ 67	15		1	5			2 Magnesite ~ 10 Amphibole
#6	62	10.29	~ 76	10	8	5				Tr Amphibole
Stewart #8	Black	7.19	~ 2	73			20			5 Magnesite
#9	62	15.92	~ 70	3		2				15 Magnesite ~ 10 Serpentine
#10	75	4.47	~ 93	5						2 Amphibole
#11	69	5.39	~ 90	10						
#12	67	4.54	~ 74	10			5			> 10 Amphibole 1 Magnesite