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**TELECOPIER COVER LETTER**

TO:

C. K BENNER - EXECUTIVE VP - OPERATIONS  
WHITEHORSE ~~TORONTO~~ OFFICE

TELECOPIER NO. \_\_\_\_\_

FROM:

NAME: G. WILSON / D. TULIU

CURRAGH RESOURCES INC., Box 1000, Faro, Yukon, Y0B 1K0

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(Including Cover Letter)

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MESSAGE \_\_\_\_\_

ATTACHED PLEASE FIND THE METALLURGICAL TEST  
RESULTS ON VANGORDA SAMPLE DELIVERED  
BY GEOLOGICAL DEPARTMENT ON MARCH 13/91.  
APPENDIX 1 - SAMPLES DELIVERED DESCRIPTION  
APPENDIX 2 - HEAD ASSAY AND WATER LEACHING  
TEST  
APPENDIX 3 - EVALUATION OF SAMPLES TESTED  
LOTS OF INFORMATION HERE.  
WE ARE CONTINUING WITH CYANIDE LEACH TESTS AND EXPECT  
TO SEND RESULTS ± 1300 FRIDAY.  
WE WILL ALSO TRY TO SUMMARISE FINDINGS AT THAT TIME

G.W./D.T.

APPENDIX 1

VANGORDA SAMPLES DELIVERED BY GEOLOGICAL DEP.  
FOR LABORATORY TESTING.

SAMPLE No	DESCRIPTION
91V-PL-04	< 3/4" REFRACTORY ORE FROM PELY PLANT (ONE LOCATION)
91V-PL-04A	- - - - - (OTHER LOCATION ON PILE)
91V-PL-05	VERY FINE REF. SAND FROM PELY CONVEYOR
91V-PL-06	3/4" - 8" REFR. ORE FROM PELY PLANT (ONE LOCATION)
91V-PL-06A	- - - - - (OTHER LOCATION)
91V-PL-07	"G" ORE IN SITU - 1128 I BLAST & SECTION 24E
91V-PL-08	4A4 (HIGH GRADE GRAPHITIC ORE) IN SITU, 1128 I BLAST & SECTION 24E -
91V-PL-09	FROM "G" STOCK PILE (IN VANGORDA)
91V-PL-10	REFRACTORY, SAND GRAPHITIC ORE & SECTION 12E, IN SITU, E HIGH WALL (1134 BENCH
91F-PL-11	UNDERGROUND STOCK PILE IN FARO
91F-PL-12	"M" STOCK PILE IN FARO
91F-PL-13	"B" STOCK PILE IN FARO

EVALUATION OF SAMPLES TESTED

SAMPLE No	OBSERVATION, EXPECTED FLOTATION BEHAVIOUR
91-V-PL-04	HIGH CU GRADE (0.40%), BULK Zn-Pb FLOTATION IS EXPECTED *
91V-PL-04A	HIGH CU GRADE (0.55%), BULK Zn-Pb FLOTATION IS EXPECTED *
91V-PL-05	HIGH CU GRADE (0.63%), BULK Zn-Pb FLOTATION IS EXPECTED *
91-V-PL-06 91V-PL-06A	NO FLOTATION PROBLEM IS PREDICTED.
91-V-PL-07	GOOD ORE TYPE.
91-V-PL-08	HIGH GRAPHITE GRADE! LEAD FLOTATION COULD BE AFFECTED (Pb CONC WILL SUFFER BECAUSE OF GRAPHITE THAT IS FLOATING IN Pb CONC), Zn FLOT WILL NOT BE AFFECTED.
91-V-PL-09	GOOD ORE TYPE, GOOD METALLURGY IS EXPECTED
91-V-PL-10	HIGH GRAPHITE GRADE, VERY LOW ZINC GRADE (0.15) SAND ORE, TENDS TO BE OVER GRIND - LOW Pb METALLURGY IS EXPECTED, NO ZINC FLOTATION.
91-F-PL-11	GOOD ORE TYPE, GOOD METALLURGY IS EXPECTED.
91-F-PL-12	LOW Pb GRADE (1.99%) - GOOD ORE, GOOD METALLURGY IS EXPECTED
91-F-PL-13	LOW Pb GRADE (2.2%), FLOTATION BEHAVIOR COULD BE INFLUENCED BY Cu (0.27%).
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\* SIMPLE LAB FLOATS HAVE NOW BEEN UNDERTAKEN.  
PREDICTION OF BULK FLOAT IS CONFIRMED.  
MORE FLOATS CONTINUE AS I WRITE.

\*\* FLOAT IMPROVED BY INCREASING CYANIDE

## VANGORDA ORE - GEOLOGICAL SAMPLES

SAMPLE	HEAD ASSAY				OXIDES, %			LEACHING WITH WATER.				FILTRATE IONS - PPM			
	ELEMENTS, %				THROUGH			FILTER CAKE ELEMENTS, %							
	Pb	Zn	Cu	Fe	PbO	ZnO	CuO	Pb	Zn	Cu	Fe	Pb	Zn	Cu	Fe
-314" 91V-PL-04	3.77	3.53	0.40	21.3	0.95	0.19	0.164	3.74	3.45	0.41	21.1	1.2	15.2	0	0
-314" 91V-PL-04A	3.26	3.39	0.55	20.6	0.85	0.23	0.236	3.09	3.30	0.51	20.0	1.8	42.9	0	0
BELT SAND 91V-PL-05	3.54	2.69	0.63	25.9	1.76	0.18	0.30	3.56	2.68	0.63	25.5	2.5	46.0	0	0
3/4-8" 91V-PL-06	4.42	4.85	0.19	21.9	0.54	0.19	0.036	4.34	4.76	0.19	20.9	0.20	0.3	0.10	0.10
3/4-8" 91V-PL-06A	4.90	5.08	0.18	26.2	0.88	0.29	0.028	4.25	4.63	0.20	2.16	0.10	0.30	0.3	0
G 1128 91V-PL-07	6.26	8.55	0.12	15.8	0.45	0.21	0.016	6.07	8.53	0.12	15.4	0.10	0.10	0	0
4A 1128 91V-PL-08	3.08	5.16	0.19	16.6	0.54	0.14	0.016	3.09	5.19	0.19	16.4	0.10	0.10	0	0
G STOCK 91V-PL-09	4.56	6.30	0.11	20.4	0.53	0.10	0.008	4.48	6.46	0.13	20.5	0.10	0.10	0.2	0
PIT. OXIDE SAND. 91V-PL-10	4.75	0.15	0.01	14.2	0.80	0.012	0.024	4.67	0.14	0.02	12.4	0.30	0.20	0	0
F. U/G 91F-PL-11	3.71	5.94	0.14	26.1	0.54	0.06	0.020	3.70	5.98	0.15	25.6	0.10	0.60	0	0
F. M.F.D. 91F-PL-12	1.99	3.65	0.13	29.6	0.45	0.06	0.016	1.96	3.55	0.11	28.5	0.20	3.0	0	0
F. H.G. 91F-PL-13	2.20	3.39	0.27	33.9	0.45	0.07	0.016	2.24	3.57	0.25	33.2	0.30	1.80	0	0.2

MARCH, 1991

VANGORDA ORE - GEOLOGICAL SAMPLES

ORE LEACHING - WATER VS. NaCN

MEASURE pH IN PIT.

SAMPLE No.	LEACHING WITH WATER								LEACHING WITH NaCN - 150 g/t								SODA ASH pH
	FILTRATE - IONS, PPM				FILTER CAKE ELEMENTS, %				FILTRATE - IONS, PPM				FILTER CAKE ELEMENTS, %				
	Pb	Zn	Cu	Fe	Pb	Zn	Cu	Fe	Pb	Zn	Cu	Fe	Pb	Zn	Cu	Fe	
91V-PL-04	1.2	15.2	0	0	3.74	3.45	0.41	21.1	0.3	1.3	14.5	0.2	3.61	3.49	0.41	22.2	7.62
91V-PL04A	1.9	42.9	0	0	3.09	3.30	0.51	20.0	0.2	6.0	8.8	0.1	3.07	3.31	0.51	20.6	7.68
91V-PL-05	2.5	46.0	0	0	3.56	2.68	0.63	25.5	0.5	5.4	11.2	0.2	3.51	2.72	0.65	25.9	7.5
91V-PL-06	0.20	0.30	0.10	0.10	4.34	4.76	0.19	20.9	0.9	0.2	20.5	0.4	4.74	5.11	0.17	26.1	9.40
91V-PL06A	0.10	0.30	0.30	0	4.25	4.63	0.20	21.6	0.6	0.3	27.0	1.10	4.15	4.55	0.18	22.3	9.30
91V-PL-07	0.10	0.10	0	0	6.07	8.53	0.12	15.4	0.2	1.4	9.0	1.10	6.04	8.5	0.11	15.9	9.60
91V-PL-08	0.10	0.10	0	0	3.09	5.19	0.19	16.4	0.3	0.7	13.2	2.4	2.96	5.64	0.19	16.8	9.65
91V-PL-09	0.10	0.10	0.2	0	4.48	6.46	0.13	20.5	0.4	0.9	10.5	1.5	4.40	6.26	0.11	21.1	9.65
91V-PL-10	0.30	0.20	0	0	4.57	0.14	0.02	12.4	1.5	0.10	1.5	1.0	4.45	0.14	0.02	13.3	8.70
91-F-PL 11	0.10	0.60	0	0	3.70	5.98	0.15	25.6	1.0	0.6	6.5	3.4	3.44	5.84	0.15	27.0	9.45
91-F-PL-12	0.20	3.0	0	0	1.96	3.55	0.11	28.5	0.7	2.8	12.3	1.0	1.80	3.53	0.12	29.0	9.15
91-F-PL-13	0.30	1.80	0	0.2	2.24	3.57	0.25	33.2	0.9	0.4	17.2	0.3	2.20	3.58	0.28	34.2	9.40

LEACHING - REAGENTS

Na<sub>2</sub>CO<sub>3</sub> - 3 g/t

NaCN - 150 g/t