

CT.10-2

NELCO METALS, INC.

CANAAN, CONNECTICUT

Box 79
#28

CT.10

November 11, 1963

U. S. Atomic Energy Commission
Feed Materials Division
Oak Ridge, Tennessee

Attention: Mr. W. J. Moore
Administrative Officer

Gentlemen:

It has been requested that we make an estimate of what would be required to recover the magnesium and uranium from prill. We must base all our figures on the premise that all the prill to be handled will be similar in characteristics to the samples sent to us for our trial work.

It will be necessary to make a capital outlay of something under \$5,000 for hoods, fans, drying pans, ingot and sludge molds.

We would not anticipate hiring additional men at this time to do the job if it is possible to allow us to work on the prill piecemeal. If there is need to push the program through without interruption, it will be necessary to hire additional personnel.

If the prill is all as submitted and contains a like amount of magnesium, we would estimate the cost to approach 12 cents per pound of magnesium. The assay of uranium in the sludge on our experimental work was only 1.75%, but this would normally be allowed to reach a much greater concentration. We will not make any attempt to put any cost on this metal, but rather would apply the entire charge against magnesium.

It should be pointed out that the magnesium recovered would definitely not be of uranium specifications since there is from 5 ppm to 6 ppm of cadmium in the magnesium. We feel that the only chance to dispose of this metal would be to sell it as secondary. Note should be made that this magnesium has 60 ppm to 70 ppm of uranium in it and it would be the responsibility of the Commission to declare it free from hazard, as well as accountability.

MATERIALS

U. S. Atomic Energy Commission

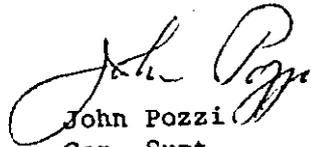
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Page 2

If there are further questions, please feel free to call on
us.

Yours very truly,

NELCO METALS, INC.


John Pozzi
Gen. Supt.

JP:k