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6. FROM R. J. JIACOLETTI
POD/AL

7. OFFICIAL BUSINESS [signature] (TIME) A.M. P.M.
(Signature of authorizing official)

8. DATE 12/26/85

9. TO KEN SPRANKLE
OMA DP
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Att 5

Memorandum.

To: Ken Sprankle.

Subject: Beryllium forecasts and sustainability estimates (U)

Reference: POD:RJJ.

In response to your telecon request of this date, the following information is supplied. The average yearly DOE requirement for beryllium metal in the form of metallurgical pressed block is 21,540 pounds, This figure is based on a five year projection derived from the 1985 AWLPG. This would require an average production of 143,605 pounds of metallurgical pressed block by the supplier, based on an assumed 85% scrap rate in the production of the DOE required material.

With regards to the beryllium pressed metallugical block in the National Strategic Stockpile (NSS), it is assumed that one half of the 60 tons would be allocated to the DOE. In this case, about 9000 of the 21,540 pound yearly requirement would result, based on the previous scrap rate assumption. This is equivalent to an average 5 month supply. If the scrap rate goes to 90% as has been estimated because of the large size of the billets stockpiled, then the DOE allocation of the NSS stockpile is equivalent to an average 3.3 months supply. So, the DOE allocation of the NSS stockpile of pressed metallurgical block beryllium is equivalent to three to five months supply, based on the average yearly requirement. It should be noted that there is an additional average scrap rate at the production plant of 40%, but it is not germain to these considerations.

Based on the 85 and 90% scrap rate assumptions, a six months supply would require 71,800 to 107,700 pounds of metallurgical pressed block; an eight months supply would require 95,733 to 143,600 pounds.

There is an study in progess to evaluate the impacts of stockpiling a two year inventory of beryllium at the production plant. The supplier of the material has been contacted and has stated that the addtional material could be produced in two years. At that point, the production plant would be ordering material with a three year lead time. The problem of obtaining the necessary funding (about forty million dollars) for this inventory program has not been addressed at this time. This issue will be on the agenda at the January meeting of the Beryllium Coordinating Committee in Denver.

Richard J. Jiacoletti
Nonnuclear Materials Manager
Albuquerque Operations Office

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 5/19/94	DETERMINATION (CIRCLE NUMBER(S))
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NAME: Jim Brenzy	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 8/30/98	3. CONTAINS NO DOE CLASSIFIED INFO
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NAME: Nazir Kiblawi	5. CLASSIFICATION CANCELED
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