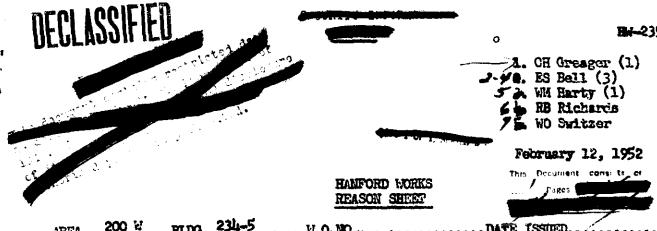
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PRESENT PACILITIES AND TO WHAT EXTENT THEY ARE INADEQUATE:

Reduction of fluoride to metal and casting of the metal to a desired approximate shape, although performed in similar equipment, are now carried out as two distinctly different steps in the RG Line. The same procedure is to be carried out in the RM Line. Each of these steps requires considerable equipment and operator time as well as taking considerable operator time between the steps. From each a certain amount of product is recycled to recovery operations. It is not intrinsically necessary that the metal be available between the reduction step and the casting operation.

DESCRIPTION OF PROPOSED WORK:

It is proposed to develop the technique and equipment for carrying out the reduction of the fluoride and casting to the approximate abase in a single operation.

ADVANTAGES TO BE CAINED AND JUSTIFICATION FOR PROPOSED WORK:

If reduction and casting are carried out as a single step there will be a considerable saving of operator time; there will also be a requirement for only about half of the equipment now used for these operations which will represent a savings of costs of materials and maintenance. The amount of product that will have to be recycled to recovery operations will be considerably less than with operation in two separate steps.

SUGGESTED CONTACTS AND REFERENCES (INCLUDE PROME HOS.):

V. R. Cooper, 2701-Z Building, 200 West, Phone A-7792.

R. B. Richards, Venager Separations Technology Unit

B. Richards PHONE 3356 ISSUED BY

APPROVED BY PHONE:

