To: R. B. Briggs
From: H. E. McCoy
Subject: Examination of Freeze Flange

Some time ago we discussed examining a part of the MSRE that had been highly stressed to determine whether the stress had an appreciable effect on the intergranular cracking. The suggested component was a freeze flange in the primary circuit. Ralph Guymon and John Shugart estimated that the cost of getting one-half of the flange to the hot cells would be $13,000 with a possible overrun of about $4000. Our examination was estimated at $7000 ± 25%.

In light of the high cost of this project and the questions that surround the cracking phenomenon, I would suggest that we delay this examination indefinitely. The work in progress may give better insight into the value of this examination and the cost would likely not be much higher at a later date. If you would like for us to proceed, please let us know.

H. E. McCoy

HEM:kg

cc: R. H. Guymon
    P. N. Haubenreich
    B. McNabb
    M. W. Rosenthal
    D. Scott
    J. R. Shugart
    J. R. Weir