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APPROVED FOR **PUBLIC RELEASE**

To: L. M. Meeker Operations Sub-Section 234-5 Building

In order to effect a savings in laboratory enclytical costs, 1973, the procedure for handling and many sing the NO-1 and will be revised as follows:

- 1. The MC-1 and MC-2 casting complex (on. 2.5 gm. Pa c combined and placed in one vial by the operating gr delivered to the laboratory. Laboratory person entiate between the two samples by the physical app turnings.
- 2. The routine spectrographic analysis will be made on sample only. If the original NG-2 sample results e values listed in the table below, the NG-1 sample w analysed. (The values given are in parts per milli plutonium).

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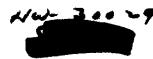
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This change is based on a study of \$50 spectrographic results made by the Statistics Unit which showed that there is no difference in the MC-1 and MC-2 semples for the elements Al, Be, Ca, La, Li, Mg, and Na and that the elements Fe, Cr, Ai, Au, and Si are consistently higher in the MC-2 sample.

- 3. In order to minimise the recompling of certain castings due to insufficient sample for analysis, the boron, carbon, and fluorine analysis will be made either on the NC-1 sample or the NG-2 sample at the discretion of the laboratory.
- 4. The upper rerun value for carbon is increased from 400 ppm (16% of the "q" value) to 500 ppm (20% of the "q" value). This increase will reduce the number of carbon reruns in the laboratory from approximately 40% to 15% without significantly influencing the average monthly c/q value of 0.403.

The Separations Technology Sub-Section, the Operations Sub-Section and the Process Sub-Section have concurred with the above changes.

B. G. Berlet

Process Sub-Section 234-5 Building

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