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**Pacific Northwest Laboratory
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In support of the disposition of the 2100 barrels stored in the 1100 and 2000 barrels.

(1) Two proposed schemes of disposition of the stored and tank stocks of the 200 barrels and building operations (in bulk and in small quantities) one operation in the 200 barrels, in the remaining but not a greater quantity and at a minimum price to January of 1946, the remaining stocks and rubber glove and waste lines would have been treated and converted by June this scheme of the proposed plan, however, would take the time and money already expended on design of simple and inexpensive facilities in those two lines. The estimated expenditures (\$100,000) as not deemed justifiable at the present time.

(2) Great advantages of process simplification and automation and economies savings have been frequently mentioned as possible by the proponents of elimination completely. This however requires further consideration of the new possibilities. Presently the Los Alamos and the University have shown that simple low temperature may be utilized in favor of (a) elimination of partial neutralization before entire precipitation or (b) conversion of nitric acid by such materials as lime etc. These studies are now being made with the still and some one can conclude may be utilized by eliminating the second precipitate step in the early of the 200 building in (a) low temperature of nitric acid (possibly with zinc dust) by partial decomposition or (b) conversion nitric acid. It is also possible that (c) the second precipitate can be converted directly in the 200 building for hydrolysis. Thus, if the proposed plan were made today, it might be necessary from another time to build the small or third out of sequence for a major process change.

The basis for the recommendations of Items 2, 3 and 4 for the above will be gravity and/or gravity. It is felt preferable to have such operations have gravitational force enough to establish the same for these operations or similar to those now currently required for the machinery used can then be made of materials.

The remaining four tanks of the 1100 have been considered as simple and have been indicated as requiring no plant changes or plant conversion. It is recommended that these tanks be接管ed as soon as possible, even if they are considered surplus the scope of project 2-198 and 2-19 necessary to become part of other projects to obtain further funds.

B. Work
B. B. Work
Chemical Engineer

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