Classification Cancelled/Changed
Explosives Department
TO Wilmington 98, Delaware.
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SR/H--932

1. SNORR ADD 1/23/89
Name Title Date
2. CJ Banick AED CO 2/4/89
Name Title Date

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#7. R. I. Martens - SRL
#8. W FILE

December 22, 1955.

FROM: R. J. CHRISTL

200 AREA WEEKLY REPORT

SOLVENT EXTRACTION PLANTS

Operations Status

221-F - Operation continued satisfactorily during most of the week at a 4.5 batch/day instantaneous first cycle rate. At the end of the week, however, the first cycle rate was reduced to 4.0 B/D to assure adequate feed for a continuation of an "H" Area rate study.

Two hundred gallons of waste solvent, stored in the burial ground, have been processed through activated charcoal beds. Complete analytical results are unknown as yet but early indications for recovery of this waste solvent are encouraging.

221-H - First cycle operation has been successfully stepped up to an instantaneous rate of 6.0 batches/day.

The first buttons from the experimental direct fluorination process had higher NGS levels than expected. However, button appearance and reduction yields are good. Additional analytical data are being compiled for the buttons made in the fashion.

232-F - Slug jamming and sheared pins continue to cause loss of decanning time. Furnace operation, with an increasing number of canned slugs, has been normal with no evidence of spattering.

241-F - Additional Waste Storage (WR 50027)

Studies of the most economical solution to the problem of relocating the storm sewer which is presently within the proposed additional waste storage area have been completed. The best solution calls for relocating the sewer to lie between the existing 241-F Area and the new tanks. It will also clear, to the west, the site for the proposed waste evaporator.

A route considered to the northwest proved quite costly because of crossings of such items as the process sewer, the main access road to 200-F, and power lines.

232-F - Spare Extraction Furnaces

The National Research Corp. has started design of an improved 232-F extraction furnace, incorporating the improvements made in the 232-H design. It is planned to review the preliminary design and concepts at the Plant January 5.

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12/22/55

717-F - Jumper Fabrication Jigs

Since the Hanford jumper fabrication jig is no longer available to SRF, it has been agreed to re-estimate the cost of the original program, including the purchase of a new Hanford type jig. It is anticipated that the cost will rise about 50% to about \$75,000.

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EJC/blt