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ROUTE AND COVER SHEET

FROM— Fred C. Schlemmer
USATC, Richland, Wash

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TO: Walter J. Williams, USAEC, Washington, D. C.

April 29, 1949

FROM: Fred C. Schlemmer, Manager, Hanford Operations
Office, Richland, Washington

EVENTS OF IMPORTANCE FOR WEEK ENDING APRIL 27, 1949

SYMBOL: ICH:R R

Enclosed is subject report for week ending April 27, 1949.

Fred C. Schlemmer

Encl: Copies #1 thru #16

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EVENTS OF IMPORTANCE FOR WEEK ENDING APRIL 27, 1949

Hanford Operations Office
Richland, Washington

24511

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I - ADMINISTRATION:

No significant events to report.

II - OPERATIONS:

Metal Waste Program:

Two one-hundred gallon samples of metal waste were taken from the 103-U tank on April 26 for shipment to Carbide, Oak Ridge, on May 4. This concludes the scheduled sampling program.

Carbon Dioxide:

The concentration of carbon dioxide in B pile was increased to 40% on April 22.

Redox:

The five-inch scale-up column was operated for four runs as a 1A column using the ORNL flow sheet. Data obtained agrees favorable with that obtained on the ANL flow sheet. Waste losses ranged from .01% to .04% with HETS values of 1.5 feet to 2.1 feet.

Alpha-Rolled Metal:

Examination of two tons of alpha-rolled, triple-dipped, completely transformed metal exposed to 30S MWD showed no warping or blistering. Partially transformed metal had shown a tendency to warping and blistering.

III - CONSTRUCTION:

Process Areas:

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100 (Pile) Areas:

100-H - Work on the 105-H "B" block assembly is complete, and laminations of the "T" sections are complete except for welding of Cell No. 1 on the far side. Installation is continuing on

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the gunbarrels, donuts, and bellows; horizontal rod guides are being shimmed. The project is now 73% complete.

P-10-A - This project is 20% complete.

Rala - Specification writing for this project is on schedule.

107-DR - Repair to this retention basin is continuing.

200 (Separation) Areas:

234-5 - Final inspections of Phase I of the 234-5 Building are scheduled for completion by May 6, 1949. This building is 99.3% complete, and the total project is 98.8% complete.

Waste Storage - The 241-BY tank farm is now 69% complete, and the project is expected to finish ahead of schedule. Two domes have been poured, and re-steel is being set on the third and fourth tank domes.

Redox - The DuPont report on Redox has been received and is being studied.

300 (Metal Fabrication) Area, General:

Seventy-five percent (75%) of the work on the additional services for the 300 Area project has been completed, and work on various phases of the project is continuing. Inspection of the 3707-C Change House and 24 rooms in the 3706 Conversion has been completed; the job is 95% complete. The workshop (Building 3732) for the 300 Area Plant Assistance Group is 7% complete with framing and partitioning underway. A project proposal for increased ventilation of the 313-314 Buildings has been submitted for approval. Total rehabilitation of the 321 Building, which includes an increased scope of work beyond the repair of explosion damage, is now 50% complete.

Richland Village:

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Housing - Exterior painting of the 1,000 "ranch" type homes and the 512 conventional type dwellings has been delayed because of high winds; the projects are 95% and 60% complete, respectively. Utility work in the 1,000 house area is nearing completion.

Schools - Operation of the Junior High School cafeteria was commenced April 21. Stage equipment in the Junior High is 25% installed, and similar equipment will be installed in the Spalding school upon completion of the work in the Junior High.

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Miscellaneous Construction:

North Storage Reservoir - All work contemplated on this project has been completed.

Street Repair - Patching and seal coating of Village streets are now 50% complete, with work being delayed pending warmer weather.

Erosion Control - Topsoiling of Village areas has been completed and will be inspected this week prior to seeding. Water line damage has delayed this work.

Commercial Areas - Sub-grade in the central commercial area has been completed; the two commercial facility buildings are approximately 85% complete. Grading, sewers, and water lines are complete in the Swift and Wright Avenue neighborhood shopping area.

Sewage Disposal Plant - This project remains at 99.9% complete. The Dorr representative advises that the concrete dome on the primary digester will probably leak gas and that sealing of the dome from the underside may be necessary.

Yakima River Bridge - Pilings are being driven in preparation for the Bailey Bridge installation over the Yakima River on the bypass highway system. Complete rehabilitation of the bridge will be accomplished by contract with J. A. Terteling rather than by army forces as had been previously contemplated.

115 KV Transmission Line - This project is now 72% complete.

Personnel:

There are approximately 507 architect-engineer (less Turnbull) and 8,115 construction employees on the pay roll. Construction camp population is now 7,933 persons, and there are 502 trailer spaces available for assignment.

IV - VISITORS:

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Messrs. Merle Lietzke, Wayne Harrop, Leo C. Lintner, and Max Tyson, of the Walla Walla District, Corps of Engineers, visited April 21 to discuss flood rights and easements in connection with permanent levees and removal of overhead utilities involved.

Mr. E. C. Carlson, Seattle District, Corps of Engineers, visited April 27, and discussed emergency flood protection for Richland during 1949.

Messrs. S. D. Harrington, W. H. Keller, A. B. Butler, from the Mallinekrodt Chemical Company, and Messrs. J. E. Winterhalter, and

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R. W. Degenhart, from the Electrometallurgical Company, Buffalo, New York, visited April 25-27 to attend a meeting on metal quality.

Dr. W. H. Alexander, of the Sylvania Electric Corp., Long Island, New York, visited April 25-27 to discuss new metal fabricating techniques.

Col. H. W. Anderson, Lt. Col. J. R. Henderson, Lt. Col. Paul T. Rigby, Major W. E. Kooker, Capt. I. J. Kershaw, and Messrs. J. L. Crawford, P. R. Dodge, O'Marsha, L. A. Thomas, from Headquarters, Sixth Army, San Francisco, and Lt. Col. J. E. Woods, Fort Bliss, Texas, visited April 21 in connection with defense measures.

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