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23207

TO: Walter J. Williams, USAEC, Washington, D. C.
FROM: Fred C. Schlemmer, Manager, Hanford Operations
Office, Richland, Washington

April 8, 1949

EVENTS OF IMPORTANCE FOR WEEK ENDING APRIL 6, 1949

SYMBOL: ICH:RWR

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Enclosed is subject report for week ending April 6, 1949.

Fred C. Schlemmer

Encl: Copies #1 thru #16

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AIR MAIL

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EVENTS OF IMPORTANCE FOR WEEK ENDING APRIL 6, 1949

Hanford Operations Office
Richland, Washington

I - ADMINISTRATION:

No significant events to report.

II - OPERATIONS:

Metal Waste Program:

Two one-hundred gallon samples of two-year old metal waste solution were taken from the 103-T tank on March 31, and shipped from Hanford on April 6, as scheduled.

Stuck Slug:

The slugs in the stuck tube at F pile, reported last week, have been examined. One slug was badly warped; several slugs were moderately blistered.

Rala:

Representatives of General Electric and Hanford Operations Office will attend a meeting at Los Alamos on April 14 to discuss technical and policy questions concerning the Rala programs at the various sites.

A 76-slug shipment is scheduled to leave Richland for Oak Ridge on April 13, inaugurating a three-week schedule to continue until the end of June.

P-10:

A shipment of 30 Li-Al slugs was made to Chicago on April 6. The pieces had been exposed for 105.4 effective days, with an average exposure of 200.8 MWD per adjacent ton.

Redox:

A second successful hexone ignition test was conducted on April 6 using a 55 gallon drum containing pure dry hexone. The drum was under 20 pounds pressure with the liquid temperature at 44 degrees centigrade.

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III - CONSTRUCTION:

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Process Areas:

100 (File) Areas:

100-H - The seventh tier of "B" blocks is being installed on both the inlet and outlet faces of the pile. Other work in progress on the pile includes checking the base cast iron and installing side cast iron, welding flanges and omega seal, and preparatory work incident to gun barrel installation. The 105-H Building is estimated to be 59% complete.

100-DR - Four items remain to be completed on the 105-DR check list.

File Area General - Giffels and Vallet have submitted recommendations for the repair of the 107-DR and 107-H retention basins; sixteen bottom slabs heaved by ice under the slabs are to be replaced and expansion joints repaired. The repair to 107-DR is estimated to cost \$54,000, and repair to 107-H is estimated at \$18,000. The number of test wells at the 107-DR retention basin has been reduced from 13 to 8; 4 have been completed to 35 feet. Electricians, except maintenance personnel, are still on strike on all Atkinson & Jones projects. Installation of segmental discharge equipment in the pile buildings has been postponed indefinitely.

P-10 - P-10-A - Project P-10 has been closed out as 100% complete. Some minor work remaining will be charged to P-10-A, which is now 8% complete.

200 (Separation) Areas:

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234-5 - Pipe on duct level is complete and being tested. The second floor piping should be ready for test April 7, except that a lack of expansion valves and heat exchangers is delaying completion of the refrigeration units. None of the American District Telegraph Company protective control locks have been received. Jurisdictional disputes have prevented the installation of the Johnson Service Panel, and the electricians strike has prevented balancing of the ventilating system. The entire project is considered 96.4% complete, and the 234-5 Building is considered 97.9% complete.

Waste Storage - The 241-BY waste storage project is now 55% complete. Steel tank erection is complete except for repair welding of the last two tanks. Ten tanks have been set down, and walls on six tanks have been poured.

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Richland Village:

Housing - Exterior painting of 301 "ranch" type houses, some utility work, and the installation of 303 clothes poles remain to be completed on the project. The invitation to bid on the telephone system in the area is being revised to include splicing. General Electric had originally planned to do this work.

Schools - All undelivered items which have been delaying completion of the schools should be received within three weeks. This should allow construction to be closed out on the schools by May 5, 1949.

Miscellaneous Construction:

Commercial Firms - Construction by private firms of two store buildings in the central commercial zone is 50% complete. No other building has been started.

Water Supply - Silt has been removed from the Atkinson & Jones well pit and water from the irrigation line turned into the charging basin; rapid percolation is indicated. Irrigation water was turned into the Newport, Kern & Kibbe Company well pit, the vacuum pump installed, the river pump primed and started, and a satisfactory flow of water into the basin obtained. A report from Alford, Burdick & Howsen on the 1949 water supply plans is scheduled for April 10.

Southern Railroad Connection - Approximately 90% of the Southern Railroad connection plans have been submitted to the Commission for approval.

Richland Automatic Telephone System - Sixteen additional relay cabinets have arrived and are in place. This project is now 77% complete.

115 KV Transmission Line and Substations - General Electric portion of Substation 1152A on Thayer Drive is 85% complete; three primary feeders are now energized and five remain. General Electric construction on Substation 1152B on Stevens Drive is 100% complete with all seven feeders energized. Some deletions from the Scott-Buttner contract are being considered and a new lump sum contract awarded for the work because of interference with the existing 66 KV line which must be kept in service.

Personnel:

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There are approximately 746 architect-engineer (less Turnbull) and 9,610 construction employees on the pay roll. Construction camp population is 8,896.

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IV - VISITORS:

Mr. Ruben C. Carlson, representing the Du Pont and General Electric Companies, and Mr. Berryman Green, of the Department of Justice, Washington, D. C., visited the project as well as Messrs. Max Kaminoff and Jess Rosenberg, of the Attorney Generals Office, State of Washington. The subject of the visit was the litigation between the afore mentioned companies and the State of Washington in regard to Business and Occupation Taxes.

Mr. R. W. Fenwick, reporter for the Denver Post, Denver, Colorado, visited the area to investigate charges of waste on the project.

Col. William Whipple and Mr. R. L. Drake, of the Corps of Engineers, Walla Walla, Washington, visited the project in regard to flood protection.

Messrs. George S. Shegog and Donald Ellsworth, from the firm of Lybrand, Ross Bros., and Montgomery, were visitors in connection with the plant appraisal program.

Captain G. E. Horn, of the Second Infantry Division, Fort Lewis, Washington, visited the project to observe the proposed Bailey bridge installation over the Yakima River. The possibility of using engineer troops to install the bridge as part of a training problem was discussed.

Mr. J. P. Jolliffe, of the Bonneville Power Administration, visited in connection with the operation of synchronous motors. He also discussed the operation of the Grand Coulee Dam for flood control purposes.

V - SCHENECTADY:

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Weekly construction progress and activity reports from the Schenectady Office are to be forwarded directly to the Washington Office commencing with the report for the period ending April 6, 1949.

Fred B. Schlemmer

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