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ADDRESSED TO—

W. J. Williams, USAEC, WASH D.C.

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TO: Walter J. Williams, USAEC, Washington, D. C. December 2, 1949

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

EVENTS OF IMPORTANCE FOR WEEK ENDING NOVEMBER 30, 1949

SYMBOL: ICH:RWR

Enclosed is subject report for week ending November 30, 1949.

Fred C. Schlemmer

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EVENTS OF IMPORTANCE FOR WEEK ENDING NOVEMBER 30, 1949

Hanford Operations Office
Richland, Washington

I - ADMINISTRATION:

No significant events to report.

II - OPERATIONS:

Waste Disposal:

Minutes of the waste disposal meeting held at Richland on October 27 have been forwarded to the Division of Production, the Division of Biology and Medicine and to the Reactor Development Division.

Pile Operations:

During a period of extremely high winds, the B and F piles experienced critical Y conditions on November 26 and 27, respectively. A pole fire caused by current leakage necessitated the shutdown of B pile at 11:59 P.M. Start-up could not be effected until 19 hours later due to poison transients although the critical Y condition had been cleared up earlier. The F pile recovered satisfactorily, with the power level dropping to 245 MW.

P-10:

A meeting, to establish schedules and specifications on P-10, was held at Richland, November 30, with representatives from Los Alamos, Chicago, and the Division of Production in attendance.

III - CONSTRUCTION:

Process Areas:

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100 (Pile) Areas:

100-DR Water Works - Meetings are being held in Boston with representatives of the Commission, General Electric and the C. T. Main Company in attendance on these phases of the Water

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Plant design on which agreement had not been reached during previous meetings. A project proposal modification covering the design and construction of the 115 Building additions is expected to be submitted to the Commission about December 15, 1949. An agreement between General Electric and Atkinson-Jones on the construction contract and fee considerations has not yet been reached; however, negotiations are expected to be completed by next week. Drawings for rebuilding and relocating certain sections of the existing 230 KV lines have been completed and specifications are being prepared. Decisions are to be made this week in regard to whether General Electric or a subcontractor, or both, are to perform the work on these transmission lines, the necessity of adhering to the Davis-Bacon Act, and whether the work will be accomplished prior to January 1, 1950. Starting of building excavation by the first of the year is contingent upon completion of the line work.

200 (Separation) Areas:

Redox - It is now indicated that no additional development programs will be necessary on this project although Kellex has reserved the prerogative of asking for tests at Hanford. In order to save time, the contract between Kellex and the Crane Company for remote pipe connectors is being written by General Electric and will be reviewed by the Commission prior to submittal to Kellex and the vendor for signature. A similar procedure will be observed on the contract between Kellex and Pyle-National for remote electrical connectors. If the Waste Disposal drawings and specifications can be approved by December 2, it is anticipated that bid assemblies and a list of bidders can be prepared, bids received and work started by March 1, 1950. The General Electric Survey Group expects to submit a report by December 2, 1949, on the comparative cost of plants required for waste recovery.

Redox Analytical and Plant Assistance Laboratory - Design of this laboratory is now estimated to be 70% complete and Commission review of the informally submitted outline plans and specifications is continuing. Formal submittal of the plans is delayed pending a decision by the Technical Division relative to the adequacy of certain phases of Turnbull's design.

234-5 - Sixteen of forty-six operating improvements have been authorized for inclusion in the 234-5 R-M line. Work in the 200-W Area is held up pending review.

400 (Technical Center) Area:

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Technical Center - Manpower and space requirement studies are being made by the Technical Divisions in order to rescope Technical Center components on the basis of reducing laboratories to a size adequate for operations two years from the present date.

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Health Instrument Control and Development Laboratory - Design of this laboratory is 50% complete. General Electric's comments on outline plans and specifications, except for the electrical system, have been forwarded to the Architect-Engineer, J. Gordon Turnbull, for revision. It is expected that Turnbull will be requested to complete design by January 1, 1950, in order that construction on a lump-sum basis may start about May 1, 1950.

Hanford Works, General:

Richland Paving and Related Work - Progress on this project is as follows:

- (1) Existing Business District - 7% complete.
- (2) Light Industrial Area - 83% complete.
- (3) North Commercial Area - 98% complete.
- (4) Neighborhood Shopping Areas - 55% complete.
- (5) Hains Avenue and Extension - 100% complete.
- (6) Van Giesen Street Extension - 100% complete.
- (7) 1000-House Drainage - 100% complete.
- (8) AEC Airport - 92% complete.
- (9) Lee Boulevard Improvements - 95% complete.
- (10) Carmichael and Spalding Schools Paving - Contract released to the Terteling Company.

Southern Railroad Connection - This project is now estimated to be 41% complete. The Yakima River Bridge is 13% complete; steel pile driving operations will not start until the sub-subcontractor has completed falsework pile driving which is estimated to be 50% complete. The Highway #410 Overcrossing is 59% complete and concrete piers are ready for the erection of steel. Three hundred forty-three thousand four hundred fifty (343,450) cubic yards of fill have been placed and 250,000 square yards or 1.4% of the required quantity has been covered with a wind erosion blanket. Reconstruction of the electrical utility crossings to meet code requirements is 58% complete. A request has been made to build a temporary ramp crossing over the north-south county road at the railroad fill; the closure of this portion of the road has not yet been authorized by the County Commissioners.

Richland Levee (Corps of Engineers Contract) - This project is estimated to be 23% complete.

Personnel:

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There are approximately 465 architect-engineer (less Turnbull) and 880 construction employees on the payroll. Construction camp population is 2244 and there are 516 trailer spaces occupied.

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IV - VISITORS:

Senator Harry P. Cain and his Administrative Assistant, Art Burgess, visited the area for scheduled service club talks on Wednesday, November 30. While in Richland, they conferred with project officials on the Wahluke Slope situation, discussed community affairs, toured Richland and were flown over the Wahluke Slope area.

Mr. Paul T. Jackson, field representative for the Federal Security Administration, U. S. Office of Education, Mr. Herb Hazeltine from the Washington State Department of Education and Mr. Wakefield D. Walker of the Oregon State Department of Education visited the project on November 30 concerning donation of surplus personal property.

National and Northwest labor leaders together with representatives of General Electric and the Commission are conferring on the matter of distribution of maintenance and construction work between General Electric maintenance forces and minor construction subcontractors. Among those present are Mr. Richard J. Gray, President of the Building and Construction and Trades Department of the A.F.L., Washington, D. C., and Mr. Robert Gretta of the Metal Trades Department, A.F.L., Washington, D. C.

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Fred L. DeMunnick

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