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HW-20841

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Richland, Washington
April 16, 1951

E. P. Lee, Chairman
100-300 Areas Steering Committee
HANFORD WORKS

HW--20841

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PILE LEVEL OBJECTIVES

At the 100-300 Areas Steering Committee meeting of March 27, following a general discussion of pile level increases, the chairman pointed out the necessity for programming tentative level objectives as far in advance as possible so that the P and Service Divisions may proceed with the planning details incidental to making the necessary equipment changes.

A committee consisting of Mr. Warren and Mr. McCullough was appointed to prepare an outline of pile level objectives and to determine the major equipment changes involved in attaining such levels.

A meeting for this purpose was held on April 4, 1951, with the following in attendance:

J. E. Warren
G. E. McCullough
R. M. Fryar
E. L. Mars

C. W. Botsford
P. H. Reinker
M. W. Carbon
W. W. Windsheimer

Level objectives including major equipment changes involved in achieving those levels are listed on the attached sheet. Figures are based on wintertime water temperatures, the removal of VSR thimbles and exclude graphite temperature limitation considerations.

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W. W. Windsheimer
Secretary

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300 AREA
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HW-20041

E. P. Lee

- 2 -

April 16, 1951

File Level Objectives

<u>Nominal Level</u>	<u>Riser Pressure</u>	<u>Areas</u>	<u>Major Equipment Changes Required</u>
450	350	All	None
500	400	D, DR, H	None
		B and F	Replace approximately 400 Panellit gauges. Recalibrate about 1000 Panellit gauges.
		B, D, F	Modify the Bailey flowmeter and calculator.
600	475	B, D, F, DR, H	<u>Method I</u> Replace casings on the secondary pumping units at 197. Strengthen or replace risers or make alternate arrangements. Replace or recalibrate Panellit gauges as required. Pressure test the water system. Provide additional filter capacity - (B and F only). <u>Method II</u> Replace rear face outlet connections and pigtails. Possibly, replace the downcomer - (B, D and F only). Provide additional filter capacity - (B and F only).
700	475	B, D, F, DR, H	Do both methods I and II listed above. Replace downcomer - (B, D and F only).
Above 700			Increase the water plant capacity Develop process tubes of greater strength or rebore the graphite blocks to accommodate process tubes of larger diameter.

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