



F. Total reduction to recruitment based on Table 7 [Clark, Ibid.] then becomes:

Stage II		5.1	
Stage III		16.7	
Stage IV	*3.0/2 =	1.5	
		23.3	= Reduction due to entrapment

*Only half the stage was considered subject to impingement.

G. A 19% increase in the 23.3% entrapment figure = 4.43%

H. Thus, the total entrapment figure = 23.3 + 4.43 = 27.7%

From this manipulation of various materials in the record, Clark's approximate figure for recruitment reduction becomes 28% yearly. The Board has utilized this figure for comparison purposes. Similarly adjusting both the staff's and Dr. Lawler's models by 19% to include impingement results in reduction figures of 32% for the staff and 22.6% for Dr. Lawler.

To summarize, when the input factors are equalized in each model to include or not include impingement and compensation and "f" factors are eliminated, the following table is obtained for predicted recruitment reduction:

<u>Model</u>	<u>Without Impingement</u>	<u>With Impingement</u>
Clark	23.3% (derived in Step F. above)	27.7%
Staff	26.8% (Goodyear, Mathematical Model, February 22, 1973)	32%
Lawler	19% (1-FES V-52 to 54)	22.6%

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