

Mr. Case

Files
(THEM) Clifford K. Beck, Chief, Hazards Evaluation Branch

February 13, 1959

Edson G. Case
Hazards Evaluation Branch

TELEPHONE CONVERSATION FROM J. B. GRAHAM ON 2/13/59

1. Dr. McCullough would like the Staff to prepare a tabulation of population densities around the following reactors:

- a) Hanford
- b) FWR
- c) Piqua
- d) Elk River
- e) Tennes
- f) VSWR

Priority should be given to a, b and c.

2. Tabulation is desired as follows:

- a) Draw a circle of radius equal to minimum distance from reactor to site boundary, including railroad or highways but not including rivers.
- b) Draw circumscribing circles with radii equal to minimum radius plus $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, 1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 40, and 50 miles.
- c) Determine population density in the four quadrants of each of the areas between these circles.
- d) Note any "large" cities in each area (> 25,000).
- e) Close in density is more important than far out.
- f) Estimate accuracy of tabulation for each reactor (e.g. $\pm 10\%$).

3. Mr. Graham in a subsequent call offered to do the tabulations beyond 10 - 20 miles, if this would be of help.

NEB:DL&R
ECCase:jvl
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*Reply 3/3/59
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