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GLOVEBOXES

ATOMIC ENERGY DIVISION

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March 8, 1957

Dr. C. K. Beck
Reactor Hazards Evaluation Committee
1717 H. Street
Washington, D. C.

Re: Our File No.
600-0046-26-06

Dear Dr. Beck:

Enclosed please find three (3) copies of the list of items concerning site selection which you requested. I hope this may be of some value to you in your efforts to establish better hazard evaluation criteria.

Also enclosed are three (3) copies of our impressions of the discussion on March 6 concerning the LMFRE Preliminary Hazards Report. If it is your impression that any of the statements contained therein do not properly represent your committee's policies, we would appreciate correction or additions.

We shall look forward to conferring with you again in the near future when there is some good data available concerning both site and associated hazards.

Very truly yours,

THE BABCOCK & WILCOX COMPANY
ATOMIC ENERGY DIVISION

G. R. Thomas
LMFRE - Reactor Engineering

gpc
Encls.

A/111

LMFRE SITE SELECTION
600-0046-03-05
CRITERIA FOR CONSIDERATION

In the draft of an article for "Electrical World", Mr. J. W. Landis lists sixty items to be considered in the selection of a site for a nuclear fuel element plant. Many of these are relevant to selection of the site for the LMFRE.

1. Security
2. Meteorology
3. Geology
4. Hydrology
5. Water Supply
6. Labor Supply
7. Availability of technicians and professional personnel
8. Living conditions
9. Educational facilities
10. Social and cultural opportunities
11. Attitude of local and state governmental bodies
12. Community relations
13. Air Transportation
14. Railroad facilities
15. Highways
16. Precipitation
17. Heating requirements
18. Cooling requirements
19. Liaison with other company facilities
20. Availability of land
21. Cost of land
22. Accessibility
23. Construction costs
24. Receiving and shipping
25. Power supply
26. Use of effluent ground and surface water
27. Nature of immediate environment
28. Waste disposal requirements
29. Storage of wastes
30. Local regulations and legal limitations affecting industry
31. Cooperation of law enforcement agencies
32. Fire protection
33. General sanitation of area
34. Taxes
35. Structural problems

36. Building codes
37. Zoning
38. Labor laws
39. Financial stability of community
40. Cost of living
41. Recreational facilities
42. Hotel accommodations
43. Insurance rates
44. Type of industry in area
45. Attractiveness of area to scientific and professional talent
46. Proximity to research institutions
47. Local transportation for labor force
48. Fuel supply
49. Telephone service
50. Prevailing wage scales
51. Labor turnover rate
52. Incidence of labor disturbances
53. Local training facilities
54. Necessity for grading
55. Elevation
56. Drainage
57. Flood hazards
58. Climate
59. Proximity to markets
60. Proximity to raw materials