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Docket No. 50-410

NOV 22 1972

Niagara Mohawk Power Corporation
 ATTN: Mr. Thomas J. Brosman
 Vice President and Chief Engineer
 300 Erie Boulevard West
 Syracuse, New York 13202

Gentlemen:

The Niagara Mohawk response to our requests for information of September 11, 1972 and October 2, 1972, are not completely adequate. As a result of this and also as a result of the continuing environmental review of the Nine Mile Point Station Unit 2, we find that additional information is required. The enclosure to this letter describes the required information. The questions are numbered in seriatim with previous requests for information.

In order to maintain our licensing review schedule, it is essential that we have completely adequate responses by December 1, 1972. Please inform us within five days after receipt of this letter of your confirmation of the schedule or the date you will be able to meet. If you cannot meet our date, or if your reply is not fully responsive to our request, it is highly likely that the overall schedule for completing the licensing review for this project will have to be extended. Since reassignment of the staff's effort will require completion of the new assignment prior to returning to this project, the extension will most likely be greater than the extent of delay in your response.

Your reply should consist of three signed originals and 297 additional copies as a sequentially numbered supplement to your Environmental Report. Please forward 200 of these copies and retain the remaining 100 for future use.

Please feel free to telephone Mr. Norris at 301-973-7263 if additional information relating to our request is required.

Sincerely,

Original signed by W. H. Regan, Jr.

Wm. H. Regan, Chief
 Environmental Projects Branch No. 4
 Directorate of Licensing

Enclosure as stated

| | | | |
|---------|--|-----------|----------|
| OFFICE | Arvin E. Upton, Esq., w/encl. LeBoeuf, Lamb, Leiby & MacRae | L:EP-4 | L:EP-4 |
| SURNAME | 1821 Jefferson Place, N. W. Washington, D. C. 20036 | NORRIS:pc | WHR |
| DATE | | 11/21/72 | 11/24/72 |

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Third paragraph of typed text, appearing as a block of approximately 10 lines.

Fourth paragraph of typed text, appearing as a block of approximately 10 lines.

Original signed by W. H. Reagan, Jr.

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.ADDITIONAL INFORMATION REQUESTED FOR THE
NINE MILE POINT NUCLEAR STATION UNIT 2 ENVIRONMENTAL REVIEW

1. BIOLOGICAL

- 1.26 Provide numerical data obtained from the monitoring program described in response to request 1.7.

2. CHEMICAL AND SANITARY EFFLUENTS

- 2.8 With reference to service water clarification for Nine Mile Point -2 (and also Nine Mile Point -1):
- a) Give details of "on-site" disposal of sludge from clarifier settling basin.
 - b) Give composition and rate of flow of effluent from clarifier settling basin.
- 2.9 Provide estimated average use of auxiliary boiler chemicals (frequency and duration of blowdown, discharge rate, list of chemicals discharged into lake and their quantities, etc.)

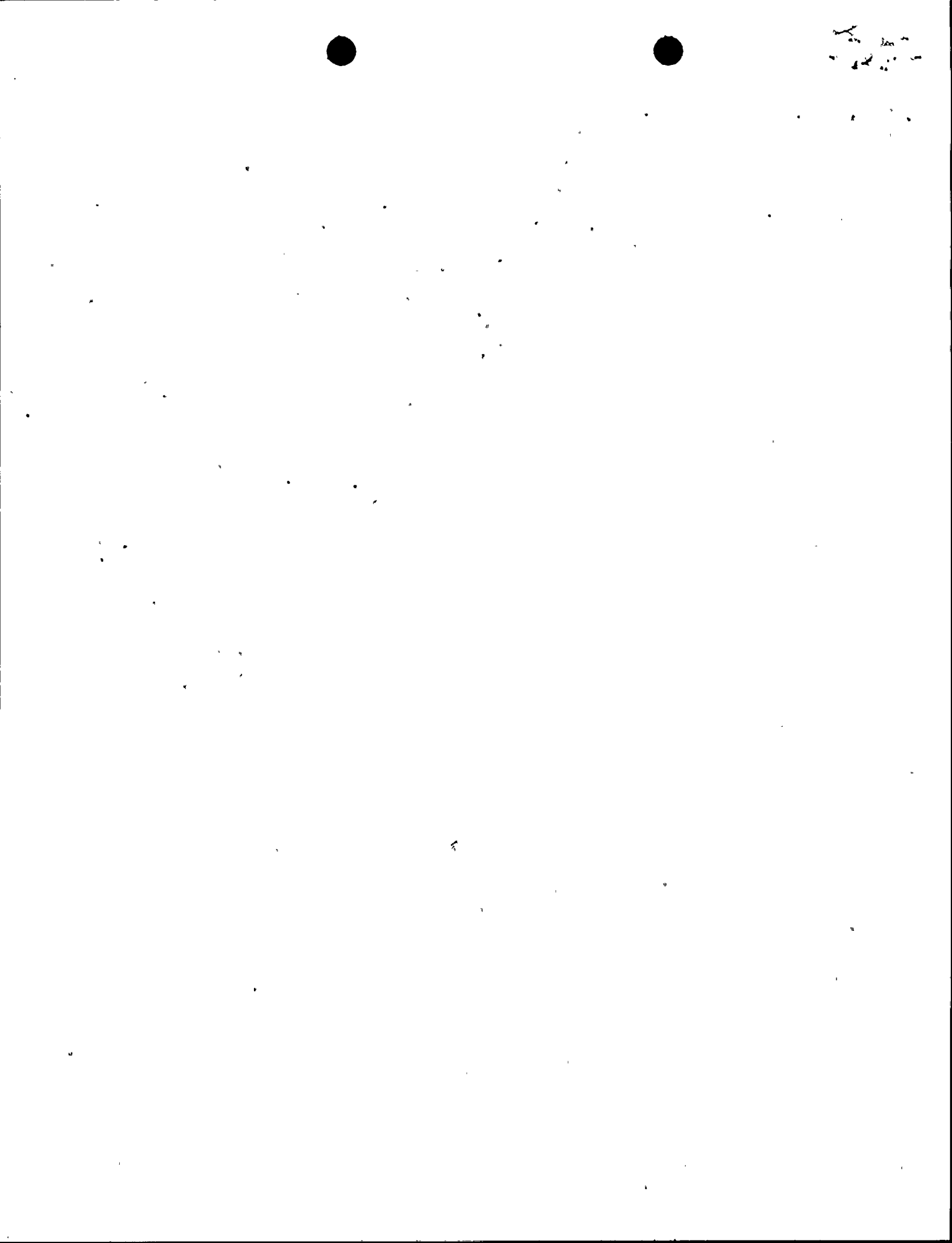
6. GENERAL

- 6.6 If the plant were changed from Nine Mile Point to a different site, give an estimate of the resulting: a) delay b) cost of new site studies c) cost of preparation of new Environmental Report d) cost of preparation of PSAR revisions e) other related costs.

7. NEED FOR POWER

- 7.12 In response to request 7.5 the growth rate of 0.96% does not coincide with furnished figures. Verify and confirm the data.
- 7.13 Response to request 7.5 indicates that the population within the Niagara Mohawk franchise area increased from 1960 to 1970 by 34.3%. For the same period the population for the whole state of New York increased by 8.4%. Explain the extraordinary increase in population within Niagara Mohawk franchise area in that period.
- 7.14 With regard to the information given in response to request 7.7 furnish revised Table 1.2-2 and other data affected by start of operation of Oswego 6 Power Plant.
- 7.15 Discuss what Niagara Mohawk considers an adequate reserve.

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8. ALTERNATIVE SITES AND ENERGY SOURCES

- 8.1 Discuss in depth and detail the possibility of purchasing power (during winter and summer) from members of the New York Power Pool or other neighboring power pools as a viable alternative to construction of Nine Mile Point -2. Carry the discussion through 1982.
- 8.2 Discuss in detail the economic and environmental advantages and disadvantages of the Olcott site. Furnish the evaluation of the estimated site dependent costs for a nuclear unit mentioned on page S1-37. The information should be in the form similar to that of Table S1-18 and S1-19. Furnish detailed reasons for abandoning the consideration of the Olcott site in favor of Nine Mile Point site.
- 8.3 a) Table S1-18 shows the capital costs of an oil-fired plant as \$360 million at Waddington site versus \$410 million at Ripley site. Explain this large difference in cost.
- b) In the same Table S1-18 the operating and maintenance costs were shown as \$10-12 million for fossil fueled plants versus \$2.5 million for nuclear fueled plants. Explain the difference and furnish breakdown of the estimated costs.
- c) With reference to Table S1-18 give the basis on which oil, coal and nuclear fuel costs were estimated, including any assumed escalation. Document these cost basis to the extent possible.
- 8.4 With reference to Table S1-19, explain and give breakdown of the components and rates of "fixed-charge" rate of 18.4% per year. :

