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 RECIP.NAME RECIPIENT AFFILIATION
 IPPOLITO,T.A. Operating Reactors Branch 3

SUBJECT: Forwards responses to 790105 request for addl info re const of Radwaste Bldg Extension.Submitted matl covers:use of ground & surface waters in general area type & time duration of const practices & location & size of const sites.

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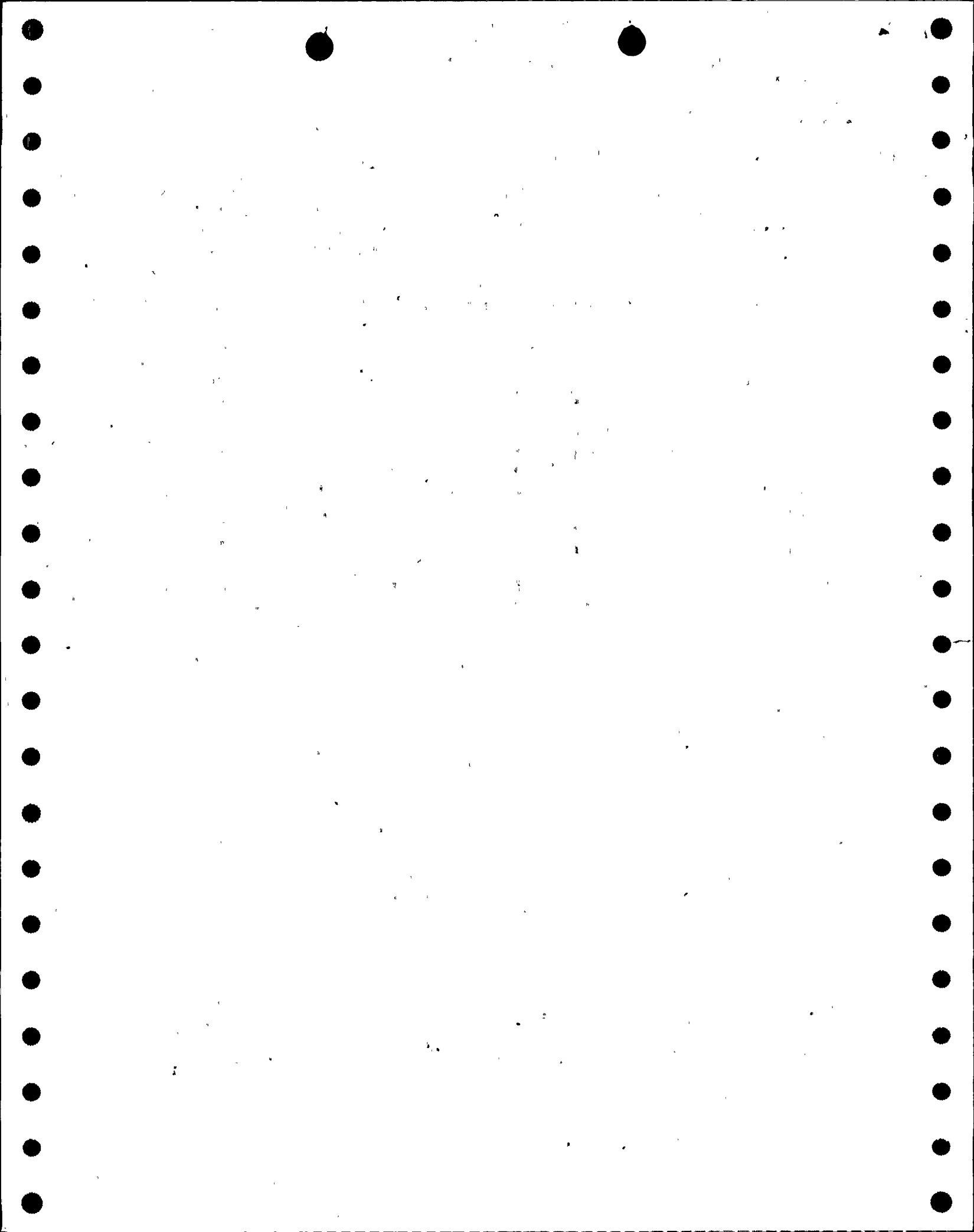
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NIAGARA MOHAWK POWER CORPORATION/300 ERIE BOULEVARD WEST, SYRACUSE, N.Y. 13202/TELEPHONE (315) 474-1511

January 19, 1979

Director of Nuclear Reactor Regulation
Attn: Mr. Thomas Ippolito, Chief
Operating Reactors/Branch #3
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Ippolito:

Re: Nine Mile Point Unit 1
Docket No. 50-220
DPR-63

Your letter to me dated January 5, 1979 enclosed questions relative to the construction of the Radwaste Building Extension at Nine Mile Point Unit 1. Answers to these questions are attached.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

Donald P. Dise

Donald P. Dise
Vice President-Engineering

LMM/szd

Attachment

REGULATORY DOCKET FILE COPY
1/19/79
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NIAGARA MOHAWK POWER CORPORATION

Nine Mile Point Unit 1

Docket No. 50-220

DPR-63

RADWASTE REDUCTION SYSTEM AND SOLIDIFICATION AND HANDLING SYSTEM

Additional Information

I. Construction

- A.** Provide adequate description of the proposed project and its interaction with the environment to establish the magnitude of any construction impact and the adequacy of the construction impact control provisions. We would suggest running through a check list similar to that required for a CP and provide:

Question: I.A.1 An analysis and evaluation of pertinent information as to: the nature of the environment, including topographical, geological, meteorological and hydrological characteristics.

Answer: The nature of the environment, including topographical, geological, meteorological and hydrological characteristics is covered by the following references:

- a. Nine Mile Point Unit 1 FSAR, Volume I, Section II, Page II-1 to Page II-22.
- b. Nine Mile Point Unit 1, Environmental Report, Page 2.4-1 to 2.6-3.
- c. Nine Mile Point Unit 1, Environmental Statement, Page 2-7 to 2-13.
- d. Nine Mile Point Unit 2, PSAR, Volume I, Page 2.2-1 to 2.4-1.
- e. Nine Mile Point Unit 2, Environmental Report, Page 2-4-1 to 2.6-3.
- f. Nine Mile Point Unit 2, Environmental Statement, Page 2-8 to 2-16.
- g. Letter dated April 28, 1978 from G.K. Rhode to E.G. Case enclosing the final report describing the geologic investigation at the Nine Mile Point Unit 2 Site.

Question: I.A.2 Usage of ground and surface waters in the general area.

Answer: Usage of ground and surface waters in the general area are covered by the following references:

- a. Nine Mile Point Unit 1, Environmental Report, Page 2.2-1, 2.5-1.
- b. Nine Mile Point Unit 1, Environmental Statement, Page 2-1, 2-8, 2-13.

c. Nine Mile Point Unit 2, Environmental Report,
Page 2.2-1, 2.5-1.

d. Nine Mile Point Unit 2, Environmental Statement
Page 2-1, 2-10, 2-13.

Question: I.A.3 The nature and location of other potentially
affected facilities.

Answer: The only facility which will be affected is Nine Mile Point
Unit 1.

Question: I.A.4 Procedures to be observed to minimize the risk of
unexpected or adverse environmental impacts of
construction including:

1. dust control
2. smoke control
3. erosion control and control of mud and
sediment
4. test control
5. noise control
6. chemical (soil additives in construction
chemicals) and solid waste (including spoil
and debris disposal) control
7. control of vehicular movement and traffic
flow
8. dewatering
9. control of petroleum products (diesel fuel,
oil and lubricants, etc.)
10. facilities for washing concrete mixers and
haul trucks
11. vegetation, restoration and landscaping

Answer: The same controls or types of controls will be used as are
used at the Nine Mile Point Unit 2 construction. These
controls cover the items listed and are discussed in the Nine
Mile Point Unit 2 Environmental Report.

Under the present schedule, Niagara Mohawk does not
anticipate starting construction of the proposed building
until the 2nd quarter of 1979. Neither a construction
contractor nor a construction management organization has yet
been contracted. Consequently, a number of construction
details relating to backfill operations, runoff control,
movement of heavy equipment, etc. have not yet been
determined. The answers given in Attachment A reflect the
latest information available at this time.

Question: I.B.1 Type and time duration of construction practices, including:

1. clearing
2. grubbing
3. grading
4. facility construction
5. restoration

Answer: The type and time duration of construction practices are as follows:

1. clearing - none expected
2. grubbing - none expected
3. grading - little or none expected
4. facility construction - about 2 years duration
5. restoration - about 2 months duration

Backfill required will be about 3,000 cu. yds. Some of this material will be that which is excavated from the construction site. Other material will be brought in as necessary.

Question: I.B.2 Location and size of construction site.

Answer: The construction site will be located on the northeast corner of the existing Nine Mile Point Unit 1 station adjacent to the existing waste and offgas buildings. The construction site will be approximately 190,000 sq. ft. in area including trailers, warehouse, laydown area and field fabrication shop.

Question: I.B.3 Rainfall and distribution frequency

Answer: Rainfall distribution and frequency has been described in the following references:

- a. Nine Mile Point Unit 1, Environmental Report, Page 2.6-2.
- b. Nine Mile Point Unit 2, Environmental Report, Page 2.6-2.

Question: I.B.4 Chemical properties in geology of subsurface soil to extent necessary to identify hazards associated with runoffs.

Answer: Chemical properties and geology of subsurface soil were described in the following references:

- a. Nine Mile Point Unit 1, Environmental Report, Page 2.4-1
- b. Nine Mile Point Unit 2, Environmental Report, Page 2.4-1

No hazard is associated with the proposed construction site runoff. Runoff will be directed to the existing Nine Mile 2 site runoff control system. Discharges will be sampled in accordance with New York State Department of Environmental Conservation (NYSDEC) site runoff control criteria.

Question: I.B.5 Number of people and type of heavy machinery linked with construction.

Answer: It is projected that there will be an average of 145 people for construction. The type of heavy machinery has not yet been fully defined but a large crane will be required. The crane boom will be about 100 feet in length.

Question: II.A Provide adequate description of non-radiological air and water-borne releases and their dispersion and potential impact on the site environs to demonstrate that attention has been given to the planning of facility operation. Identify users of air and water that might be adversely affected.

Answer: The impact of non-radiological air and water-borne releases will be inconsequential and there will be no users of air or water that will be adversely affected. Operation of the solidification and handling system will result in no increase in existing releases. Non-radiological air and water-borne release data due to operation of the Radwaste Reduction System have been obtained by the NRC Staff directly from Newport News Industrial Corporation.

Question: II.B Identify and provide other permits and approvals necessary for operation of this facility.

Answer: There are no other permits or approvals necessary for operation of this facility that Niagara Mohawk is aware of at this time.

Question: II.C Provide a statement placing the impacts of the proposed project in perspective with the impacts associated with construction and operation of Nine Mile Point Unit 2.

Answer:

There will be roughly 1/10 as many people associated with the construction of this project as there are in the construction of Nine Mile Point Unit 2. The construction area will also be about 1/10 as large as Nine Mile Point Unit 2. The impact of construction is estimated to be far less than 1/10 that evaluated for Nine Mile Point Unit 2 since the impact is usually smaller than a linear extrapolation from the larger area for the same type of construction activities.

The operation of this project is insignificant when compared to the operation of Nine Mile Point Unit 1 and that planned for Nine Mile Point Unit 2.