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Docket No. 50-410

APPLICANT: Niagara Mohawk Power Corporation (NMPC)

FACILITY: Nine Mile Point Nuclear Station, Unit 2

SUBJECT: SUMMARY OF RADIOLOGICAL ASSESSMENT BRANCH (RAB) DRAFT SAFETY EVALUATION REPORT (DSER) OPEN ITEM MEETING

On Friday, April 13, 1984, a meeting was held in the Bethesda, Maryland offices of the NRC to discuss RAB open items identified in the Nine Mile 2 DSER (Chapter 12). Representatives from NMPC, Stone & Webster and the NRC were in attendance (see Enclosure 1).

At the meeting, the staff provided the attendees with a listing of the open items resulting from the RAB review. A copy of this list is provided as Enclosure 2. The three digit number in the margin refers to the open item number as listed in Chapter 1 of the DSER. The 471 series number denotes the staff's Request for Additional Information reference. The open items were discussed sequentially according to the list. Pending further review of those items and based on this meeting and the docketed application, the status of each open item is as follows:

Open Item No.	Status
107	Resolved
108	Resolved
109	Remains open-- NMPC should include in FSAR a statement committing to Reg. Guide 8.8 (ALARA).
110	Resolved
111	Remains open-- Additional information to be provided by June 1984.
112	Remains open-- Additional information to be provided by June 30, 1984.
113	Resolved
114	Resolved
115	Confirmatory-- Awaiting revision of Section 12.3.1

M F Haughey

OFFICE	DL:LB#2/PM	DL:LB#2/PM	DL:LB#2/BC				
SURNAME	DWagner:bdm	MHaughey	ASchwencer				
DATE	5/3/84	5/3/84	5/3/84				

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

MAY 3 1984

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116	Remains open-- Additional information to be provided by June 30, 1984.
117	Resolved
118	Remains open-- Additional information to be provided by June 30, 1984.
119	Remains open-- Additional information to be provided by June 30, 1984.
120	Remains open-- Additional information to be provided by September 30, 1984. Applicant advised that due to late submitted date, item may be carried as open in the SER.
121	Confirmatory-- NMPC indicated information has been provided in FSAR-- awaiting verification by NRC reviewer.
122	Resolved
123 124 125	Confirmatory--Pending review.

Following the discussion with RAB, Mr. John Lane of the Containment Systems Branch (CSB) discussed an item in Standard Review Plan Section 6.2.3 with NMPC. The applicant sought staff guidance on the flexibility that has been used in MSIV leakage Technical Specifications. Two methods of providing this flexibility were described to the staff:

1. Slug flow method.
2. Pressure decay method.

The staff agreed to verify the use of these techniques at other facilities and their possible application to Nine Mile-2.

Mary F. Haughey

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Enclosure 1

MEETING TITLE: RADIOLOGICAL ASSESSMENT OPEN ITEMS

APPLICANT: Niagara Mohawk Power Corporation

FACILITY: Nine Mile Point Nuclear Station, Unit 2

DATE: Friday, April 13, 1984

NAME	AFFILIATION
Dave Wagner	Project Mgr./DL/LB-2
Charles Ader	Stone & Webster
Richard Pinney	Stone & Webster
Norm Rademacher	NMPC
Michael S. Stachnoff	Stone & Webster
Brian Gutherman	Stone & Webster
Frank C. Skopec	NRC/RAB
O. D. T. Lynch, Jr.	NRC/RAB
Richard J. Serbu	NRC/RAB

NMP-2
LIST OF OPEN ITEMS - NINE MILE POINT 2

(1) In response to staff's question F471.1 requesting justification for applicant's statement in Subsection 12.2.2.2.8 of the FSAR stating that: "Expected airborne radioactivity levels in normally occupied areas are at or below ambient outside air concentration", the applicant indicated (in Amendment 5) that the response to the question will be provided by the fourth quarter of 1984.

471.1
107

(2) In response to staff's question F471.3 requesting airborne radionuclide concentration in liquid radwaste handling area due to pump leakage, the applicant indicated (in Amendment 5) that the information will be provided by the first quarter of 1984.

471.3
108

(3) In response to staff's question F471.4 requesting revision of Table 1.8-2, to ensure a broad acceptance of Regulatory Guide 8.8, the applicant indicated (in Amendment 5) that the Table 1.8-2 was revised. The applicant should state in which Amendment the table was submitted or the applicant should provide the Table 1.8-2.

471.4
109

(4) In response to staff's question F471.9, requesting revision of FSAR Subsection 12.3.4.3, to comply with NUREG-0737, section II.B.2, the applicant indicated (in Amendment 5) that the requested information will be provided by the third quarter 1984.

471.9
110

471.16
111

(5). In response to staff's question F471.16, requesting estimates of projected doses to individuals and post-accident dose rate maps for potentially occupied plant areas to comply with Section II.B.2 of NUREG-0737, the applicant indicated (in Amendment 5) that the information will be provided by the third quarter of 1984.

471.17
112

(6) In response to staff's question F471.17 requesting confirmation that the whole body dose of less than 3 and 18 3/4 rems to the whole body and extremities (in reference to Section 1.10, Unit 2 Response to Regulatory Issues Resulting from TMI) during the collection of reactor water post accident samples, is based on pressurized reactor water radiation sources, the applicant indicated (in Amendment 5) that the requested information will be provided by the third quarter of 1984.

471.19
113

(7) In response to staff's question F471.19, requesting

(a) description of post-accident access and shield design review,

114

(b) description of buildup of activated corrosion products (crud) in various components and systems, and

115

(c) description of post-accident vital area monitors. The applicant indicated (in Amendment 5) that the response will be provided by the third quarter of 1984.

X

471.20 116 (8) Question 471.20: To comply fully with Section II.B.2, Shielding, of NUREG-0737 the folowing information and documentation should be provided:

(a) Post-accident radiation doses to individuals for necessary occupancy times in vital areas and dose rate maps for potentially occupied areas;

(b) Assurance that personnel exposure will be within the guidelines of GDC-19 limits:

(c) Assurance that personnel exposure in continuously occupied areas (such as control room, TSC, etc.) will be less than 15 mrem/hr (averaged over 30 days) following the accident.

471.12 117 (9) In response to staff's question 471.12 requesting estimate of inhalation exposure, the applicant indicated (in Amendment 5) that the information will be provided by the second quarter 1984.

471.13 118 (10) In response to staff's question 471.13 requesting estimate of N-16 dose contribution at nearest point of plant boundary, the applicant indicated (in Amendment 5) that the information will be provided by second quarter 1984.

471.14
119

(11) In response to staff's question 471.14, requesting estimate of doses at locations outside of plant structures, the applicant indicated (in Amendment 5) that the information will be provided by the third quarter of 1984.

471.11
120

(12) The applicant has provided insufficient information on dose assessment, indicating in response to question F471.11 that the Man-Rem evaluation is in progress, and that the information will be provided by the fourth quarter of 1984.

(13) Question 471.21:

471.21
121

(a) Figure 13.1-9 shows that the health physics and chemistry functions at NMP-2 are not separated into a Health Physics Section and Chemistry Section supervised by a Health Physics Supervisor and a Chemistry Supervisor as recommended by our positions in Section II.A.1 of NUREG-0731. ~~Your~~ The applicant's organization and Figure 13.1-9 should be revised to reflect separate supervision of these distinct functional areas.

122

(b) The applicant should provide qualifications in the form of a resume for the Superintendent, Chemistry and Radiation Management (RPM) to demonstrate that the RPM meets the requirements of Regulatory Guide 1.8 "Personnel Selection and Training."

123 (c) The applicant should commit to using the criteria of ANSI 3.1, December 1979, in selecting the individual temporarily filling the RPM's position as outlined in NUREG-0731.

124 (d) The applicant should commit to train health physics technicians in accordance with the criteria of ANSI/ANS 3.1-1978, which requires one year of related technical training and two years of experience, or ANSI 18.1 which also requires such training and experience. Additionally, radiochemistry and radiation protection are separate specialties each requiring two years of working experience, as indicated in ANSI 18.1. The applicant should commit to provide experienced technicians with appropriate qualifications and two years of experience in each specialty, chemistry and radiation protection, or should separate the functions into two distinct specialties in accordance with ANSI 18.1.

125 (e) To comply with the criteria of NUREG-0654, Table B-1 and the II.A.d(2) of NUREG-0731, the applicant should commit to have at least one ANSI 18.1 qualified health physics technician on the site at all times.