

From: [Reynolds, Ronnie J. \(Constellation Nuclear\)](#)
To: [Richard Guzman](#)
Cc: [Rossi, Matthew: \(Constellation Nuclear\)](#)
Subject: [External_Sender] RE: Courtesy copy of Supplemental Letter for NMP1 -2 to Remove NMP3 Designation
Date: Monday, August 12, 2024 2:40:36 PM
Attachments: [Revised NMP2 Figure 4.1-1 Clean Page 8-12-24.pdf](#)
[Revised NMP1 Figure 5.1-1 Clean Page 8-12-24.pdf](#)

Rich,

Please find the revised figures for the NMP LAR to remove the NMP3 designation from the Unit 1 and Unit 2 Technical Specifications. The attached figures supersede the figures provided in the Supplemental Letter dated 7/31/24.

The Unit 1 Figure 5.1-1 was revised to remove the revision bar from Section 5.2.

The Unit 2 Figure 4.1-1 was revised to include the structure designations for:

- NMP2 Liquid Discharge
- Energy Information Center
- Nuclear Learning Center
- Meteorological Tower
- NMP2 Stack
- Reactor Building Vent

Please let me know if you have any further questions.

Thanks,

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5.0 DESIGN FEATURES

5.1 Site

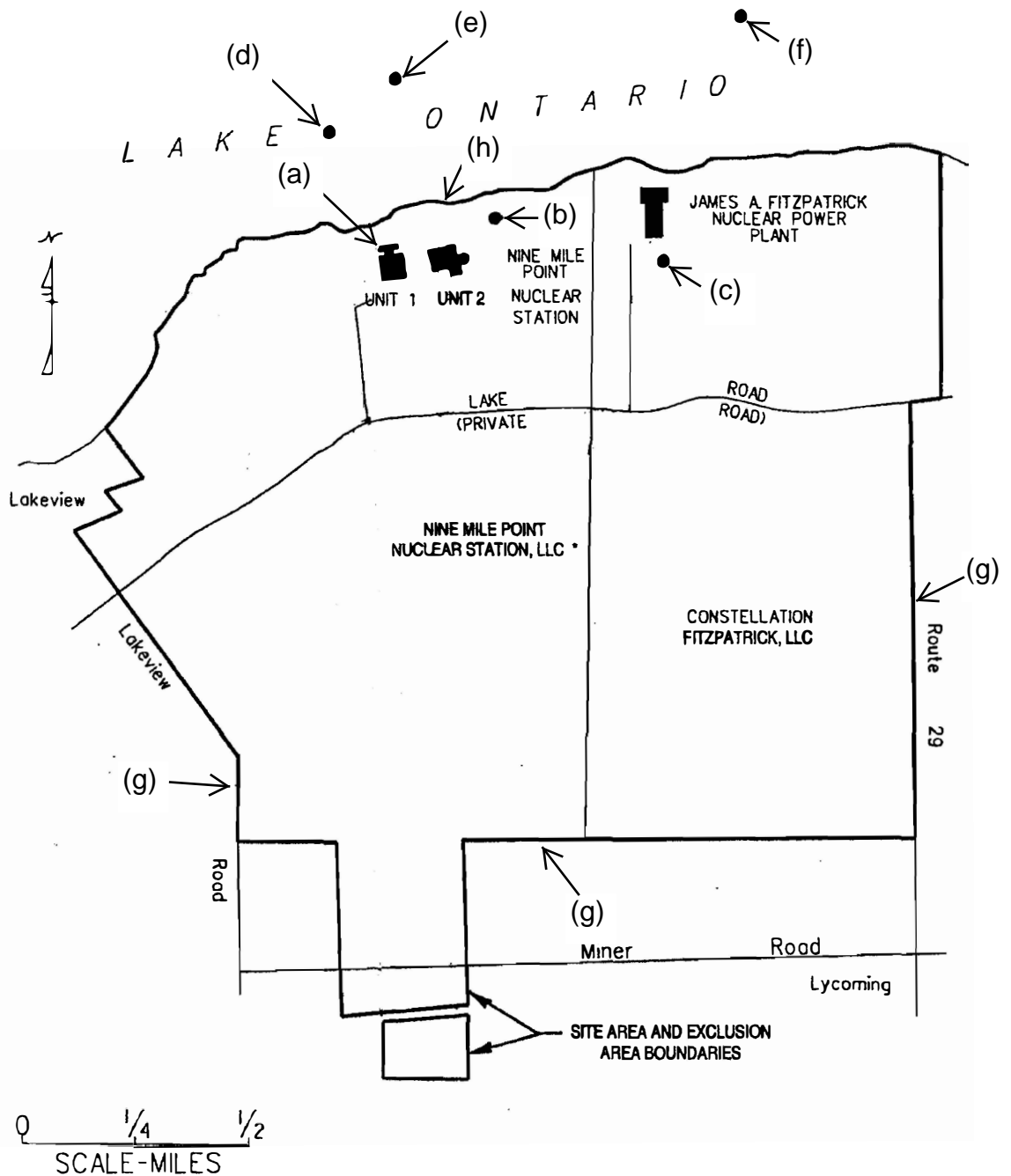
The Nine Mile Point Nuclear Station and James A. Fitzpatrick Nuclear Power Plant site comprising approximately 1500 acres, is located on the shores of Lake Ontario, about seven miles northeast of Oswego, New York. An exclusion distance of nearly 4000 feet is provided between the Station and the nearest site boundary to the west, a mile to the boundary on the east, and a mile and a half to the southern site boundary (as described in the Sixth Supplement of the FSAR).

Figure 5.1-1 is a Site Boundary Map of Nine Mile Point which allows the identification of gaseous and liquid waste release points. Figure 5.1-1 also defines the unrestricted area within the site boundary that is accessible (except for fenced areas) to member of the public.

5.2 Reactor

The reactor core consists of no more than 532 fuel assemblies containing enriched uranium dioxide pellets clad in Zircaloy-2. The core excess reactivity will be controlled by movable control rods and burnable poisons. The core will be cooled by circulation of water internally and external to the pressure vessel through recirculation loops.

5.3 (Deleted)



* Niagara Mohawk Power Corporation retains ownership in certain transmission line and switchyard facilities within the exclusion area boundary. Access and usage are controlled by Nine Mile Point Nuclear Station, LLC by Agreement.

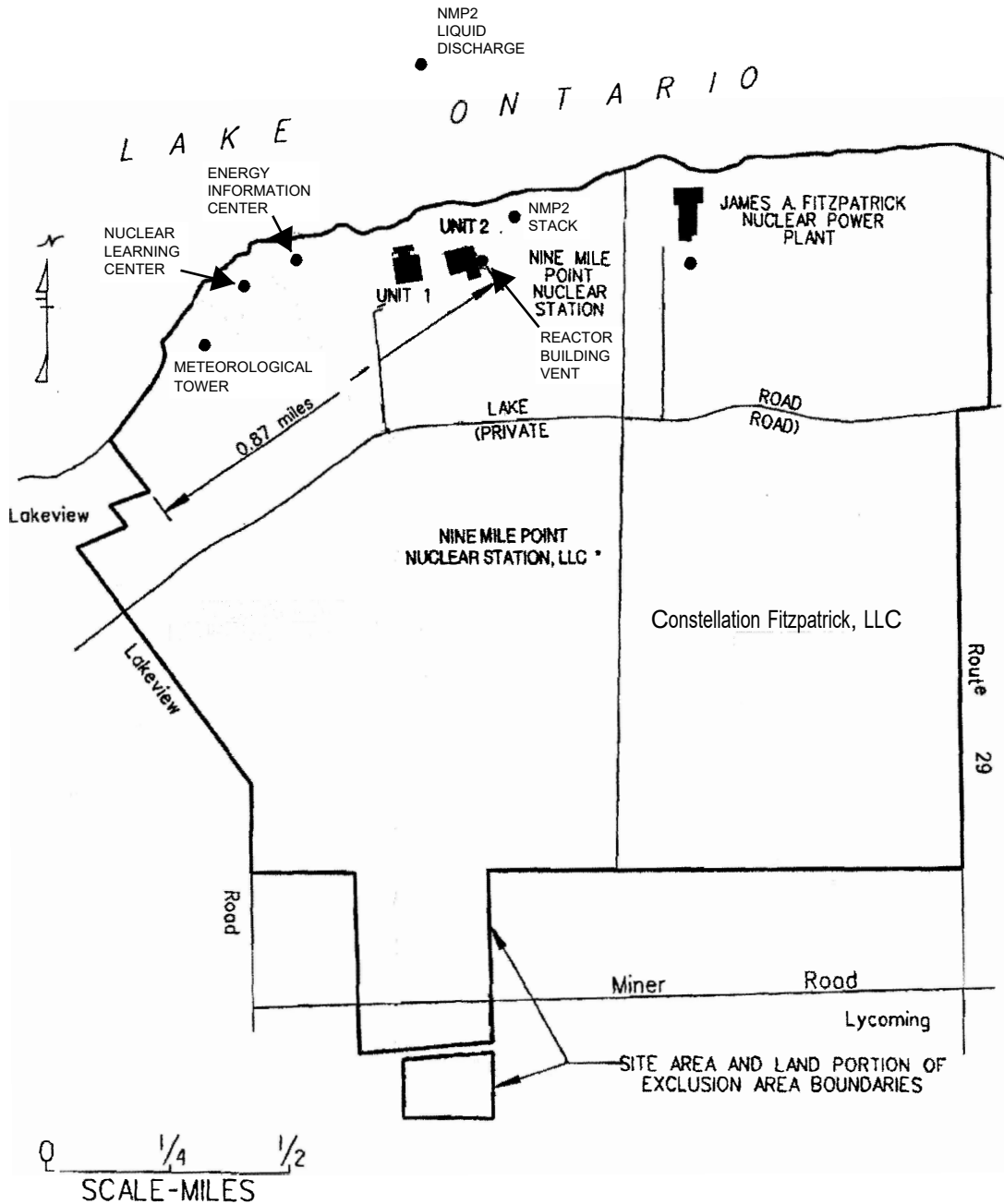
FIGURE 5.1-1
SITE BOUNDARIES
NINE MILE POINT - UNIT 1

NOTES TO FIGURE 5.1-1

- (a) NMP1 Stack (height is 350')
- (b) NMP2 Stack (height is 430')
- (c) JAFNPP Stack (height is 385')
- (d) Radioactive Liquid Discharge (Lake Ontario, bottom)
- (e) NMP2 Radioactive Liquid Discharge (Lake Ontario, bottom)
- (f) JAFNPP Radioactive Liquid Discharge (Lake Ontario, bottom)
- (g) Site Boundary
- (h) Lake Ontario Shoreline

Additional Information:

- NMP2 Reactor Building Vent is located 187 feet above ground level
- JAFNPP Reactor and Turbine Building Vents are located 173 feet above ground level
- JAFNPP Radwaste Building Vent is 112 feet above ground level



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Figure 4.1-1 (Page 1 of 1)
Site Area and Land Portion of Exclusion Area Boundaries