

EXHIBIT B

LICENSE AMENDMENT REQUEST  
DATED MARCH 21, 1978

This exhibit consists of the following pages revised to incorporate all of the proposed Technical Specification changes:

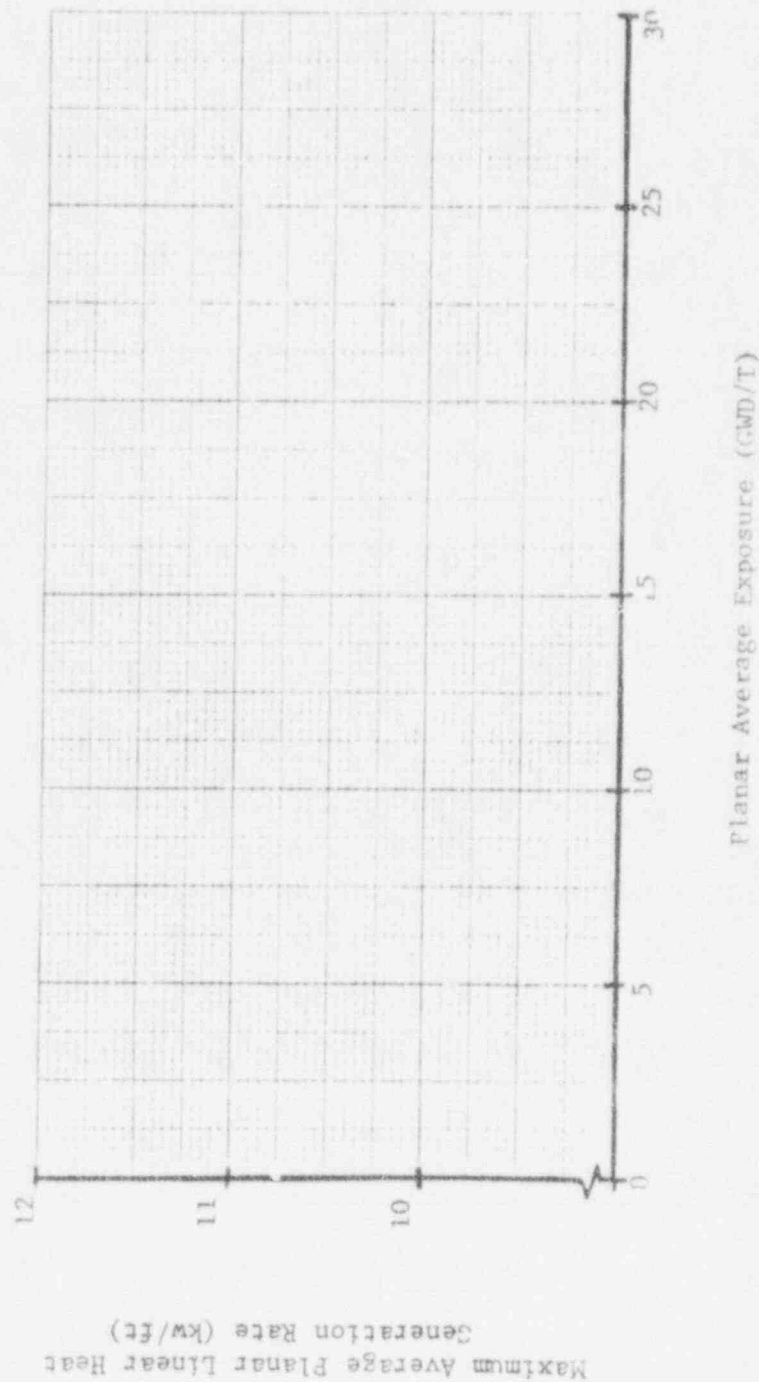
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Figure 3.11.1-A

Maximum Average Planar Linear  
Heat Generation Rate Versus  
Planar Average Exposure  
Monticello 8D219 Fuel



Tabulation of  
Plotted Data

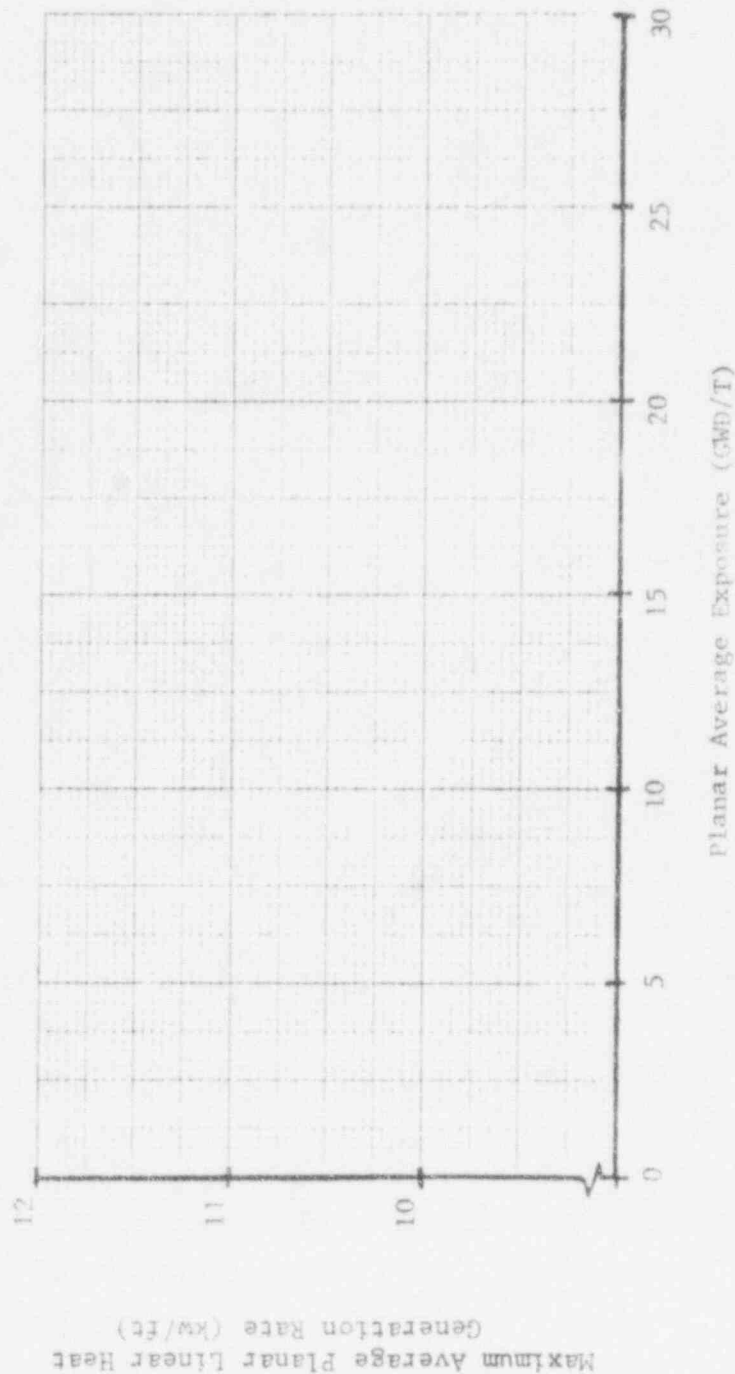
Exposure

MAPLHGR

Calculated Results to  
be provided at a later  
date.

Figure 3.11.1-B

Maximum Average Planar Linear  
Heat Generation Rate Versus  
Planar Average Exposure  
Monticello 8DR264 Fuel



Tabulation of  
Plotted Data

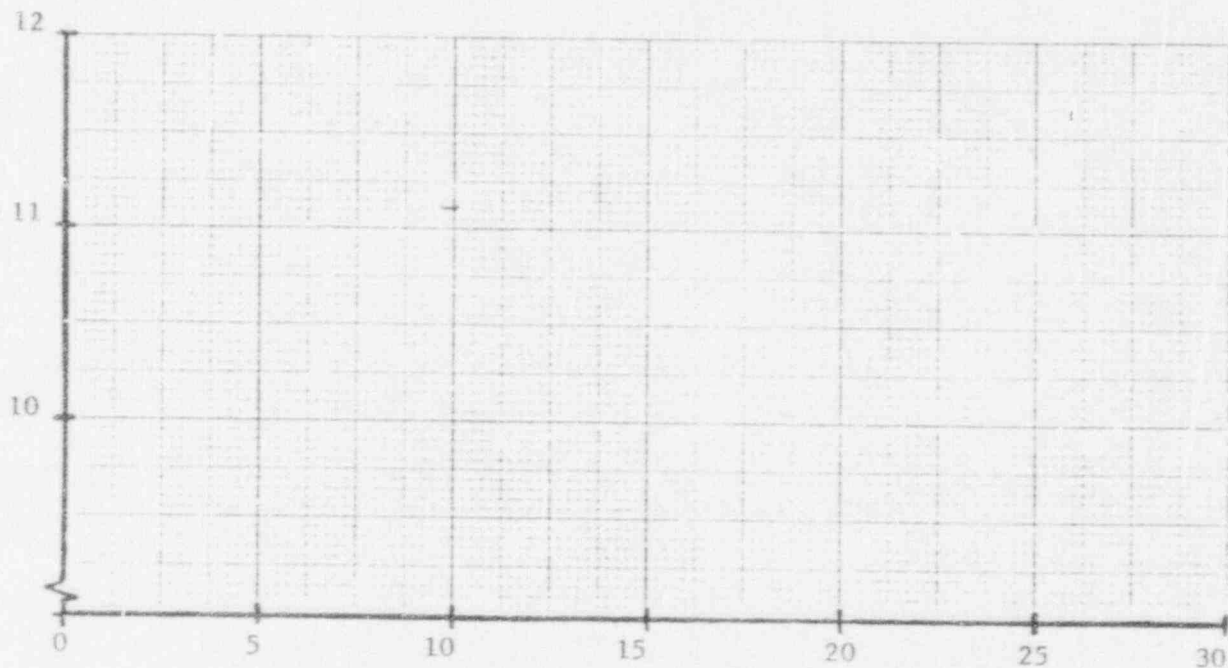
Exposure MAPLHGR

Calculated Results to  
be provided at a later  
date

Figure 3.11.1-Ba

Maximum Average Planar Linear  
Heat Generation Rate Versus  
Planar Average Exposure  
Monticello 8DR282 Fuel

Maximum Average Planar Linear Heat  
Generation Rate (kw/ft)



Planar Average Exposure (GWD/T)

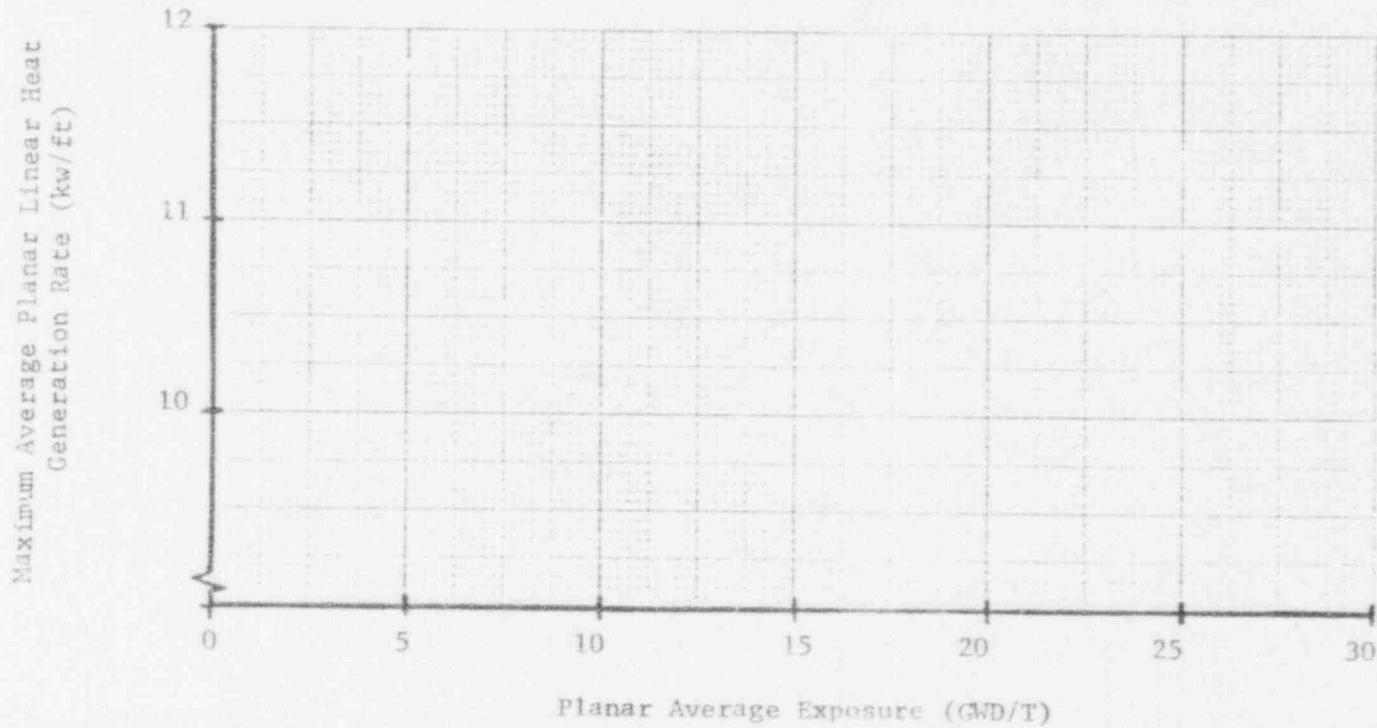
Tabulation of  
Plotted Data

Exposure      MAPLHGR

Calculated Results to  
be provided at a later  
date

Figure 3.11.1-C

Maximum Average Planar Linear  
Heat Generation Rate Versus  
Planar Average Exposure  
Monticello 8D262 Fuel



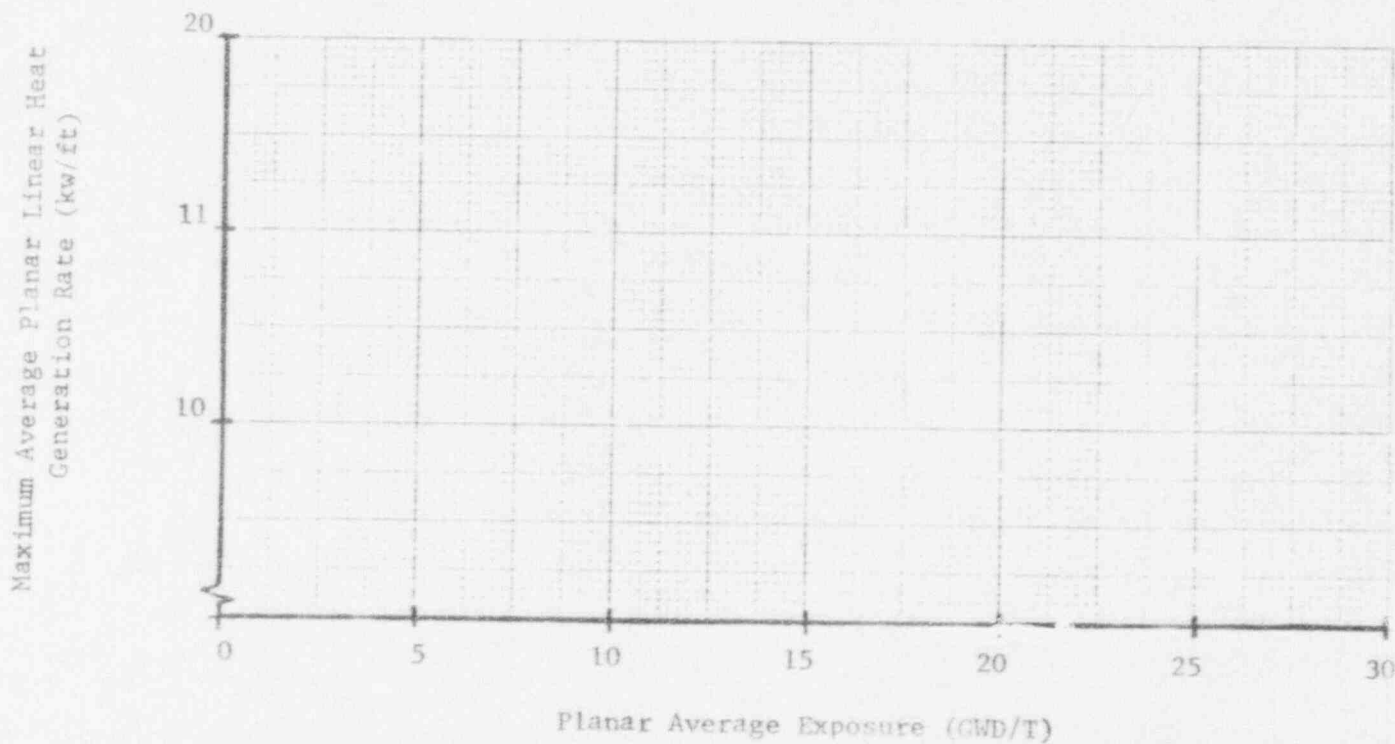
Tabulation of  
Plotted Data

Exposure      MAPLHGR

Calculated Results to  
be provided at a later  
date

Figure 3.11.1-D

Maximum Average Planar Linear  
Heat Generation Rate Versus  
Planar Average Exposure  
Monticello 8D250



Tabulation of  
Plotted Data

Exposure    MAPLHGR

Calculated results to  
be provided at a later  
date



## 5.0 DESIGN FEATURES

### 5.1 Site

- A. The reactor center line is located at approximately 850,810 feet North and 2,038,920 feet East as determined on the Minnesota State Grid, South Zone. The nearest site boundary is approximately 1630 feet S 30° W of the reactor center line and the exclusion area is defined by the minimum fenced area shown in FSAR Figure 2.2.2a. Due to the prevailing wind pattern, the direction of maximum integrated dosage is SSE. The southern property line follows the northern boundary of the right-of-way for the Burlington Northern Railway.

### 5.2 Reactor

- A. The reactor core shall consist of not more than 484 fuel assemblies.
- B. The reactor core shall contain 121 cruciform-shaped control rods. The control rod material shall be boron carbide powder (B<sub>4</sub>C) compacted to approximately 70% of theoretical density.

### 5.3 Reactor Vessel

- A. The pressure vessel shall be designed for a pressure of 1250 psig and a temperature of 575°F. The coolant recirculation system shall be designed for a pressure of 1148 psig on suction side of pump and 1248 psig at pump discharge. Both the pressure vessel and recirculation system shall be designed in accordance with the ASME Boiler and Pressure Vessel Code Sections III and IX.

### 5.4 Containment

- A. The primary containment shall be of the pressure suppression type having a drywell and an absorption chamber constructed of steel. The drywell shall have a volume of approximately 134,200 ft<sup>3</sup> and is designed to conform to ASME Boiler and Pressure Vessel Code Section III Class B for an internal pressure of 56 psig at 281°F and an external pressure of 2 psig at 281°F. The absorption chamber shall have a total volume of approximately 176,250 ft<sup>3</sup>.