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FROM: Niagara Mohawk Power Corporation Syracuse, N.Y. 13202 Mr. James Bartlett			DATE OF DOC 4-11-74	DATE REC'D 4-17-74	LTR X	MEMO	RPT	OTHER
TO: D.J. Skovholt			ORIG 1 signed	CC	OTHER	SENT AEC PDR SENT LOCAL PDR		XXX XXX
CLASS	UNCLASS XXX	PROP INFO	INPUT XXX	NO CYS REC'D 40	DOCKET NO: 50-220			

DESCRIPTION:  
Ltr requesting a modification to their facility described in the following enclosures.....

ENCLOSURES:  
Figure #1 - Incore HSG Plug Layout.  
Figure #2.

**ACKNOWLEDGED**  
(40 cys encl rec'd)

**DO NOT REMOVE**

PLANT NAME: Nine Mile Point #1

FOR ACTION/INFORMATION 4-17-74 JB

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| BUTLER(L)<br>W/ Copies | SCHWENCER(L)<br>W/ Copies | <input checked="" type="checkbox"/> ZIEMANN(L)<br>W/9 Copies | REGAN(E)<br>W/ Copies |
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INTERNAL DISTRIBUTION

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| <input checked="" type="checkbox"/> REG FILE<br>AEC PDR<br>OGC, ROOM P-506A<br>MUNTZING/STAFF CASE<br>GIAMBUSSO<br>BOYD<br>MOORE (L) (BWR)<br>DEYOUNG (L) (PWR)<br>SKOVHOLT (L)<br>GOLLER (L)<br>P. COLLINS<br>DENISE<br>REG OPR<br>FILE & REGION(3)<br>MORRIS<br>STEELE | <u>TECH REVIEW</u><br>HENDRIE<br>SCHROEDER<br>MACCARY<br>KNIGHT<br>PAWLICKI<br>SHAO<br>STELLO<br>HOUSTON<br>NOVAK<br>ROSS<br>IPPOLITO<br>TEDESCO<br>LONG<br>LAINAS<br>BENAROYA<br>VOLLMER | DENTON<br>GRIMES<br>GAMMILL<br>KASTNER<br>BALLARD<br>SPANGLER<br><br><u>ENVIRO</u><br>MULLER<br>DICKER<br>KNIGHTON<br>YOUNGBLOOD<br>REGAN<br>PROJECT LDR<br><br>HARLESS | <u>LIC ASST</u><br>DIGGS (L)<br>GEARIN (L)<br>GOULBOURNE (L)<br>LEE (L)<br>MAIGRET (L)<br>REED (E)<br>SERVICE (L)<br>SHEPPARD (L)<br>SLATER (E)<br>SMITH (L)<br>TEETS (L)<br>WADE (E)<br>WILLIAMS (E)<br>WILSON (L) | <u>A/T IND</u><br>BRAITMAN<br>SALTZMAN<br>R. HURT<br><br><u>PLANS</u><br>MCDONALD<br><input checked="" type="checkbox"/> DUBE w/Input<br><br><u>INFO</u><br>C. MILES<br>B. KING (E/W-358)<br>KLECKER<br>EISENHUT<br><input checked="" type="checkbox"/> E. Coupe |
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EXTERNAL DISTRIBUTION

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| <input checked="" type="checkbox"/> 1 - LOCAL PDR Oswego, N.Y. 4                   | (1) (2X10) - NATIONAL LAB'S     | 1-PDR-SAN/LA/NY        |
| <input checked="" type="checkbox"/> 1 - TIC (ABERNATHY)                            | 1-ASLBP (E/W Bldg, Rm 529)      | 1-GERALD LELLOUCHE     |
| <input checked="" type="checkbox"/> 1 - NSIC (BUCHANAN)                            | 1-W. PENNINGTON, Rm E-201 GT    | BROOKHAVEN NAT. LAB    |
| 1 - ASLB   | 1-CONSULTANT'S                  | 1-AGMED (Ruth Gussman) |
| 1 - P. R. DAVIS (AEROJET NUCLEAR)  | NEWMARK/BLUME/AGBABIAN          | RM-B-127, GT.          |
| <input checked="" type="checkbox"/> 16 - CYS ACRS HOLDING Sent to Teets<br>4-17-74 | 1-GERALD ULRIKSON...ORNL        | 1-RD..MULLER..F-309 GT |
|  | 1-B & M SWINEBROAD, Rm E-201 GT |                        |

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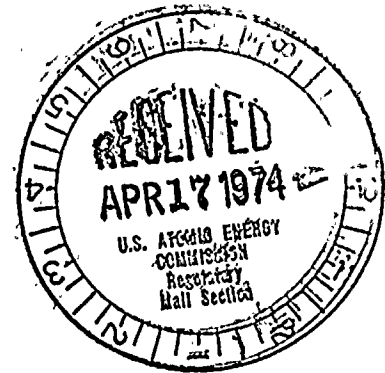
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## NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK300 ERIE BOULEVARD WEST  
SYRACUSE, N. Y. 13202

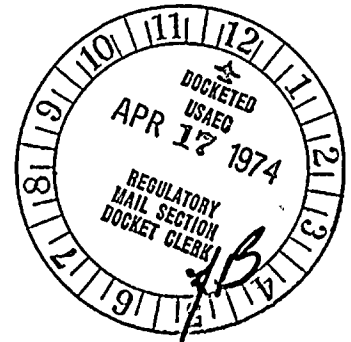
April 11, 1974



Mr. Donald J. Skovholt  
 Assistant Director for Operating Reactors  
 Directorate of Licensing  
 United States Atomic Energy Commission  
 Washington, D. C. 20545

Dear Mr. Skovholt:

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



Pursuant to Section 50.59 of the Commission's Regulations, Niagara Mohawk plans to make a change in its facility under Provisional Operating License No. DPR-17. Briefly, this change consists of installation of plugs in the upper end of the non-instrumented incore housings.

The modification is designed to prevent the accumulation of radioactive scale in the non-instrumented incore housing flanges under the reactor vessel. The scale accumulation in these housings produces high radiation levels under the vessel and interferes with control rod drive maintenance operations.

The proposed facility modification provides for installation of plugs in the upper end of the non-instrumented incore housing as shown in Figure 1 attached. This will prevent the accumulation of radioactive scale in these incore housings. The four fuel assemblies surrounding the incore housing would be removed and the plug inserted. As can be noted from the attached figure, a fluid path is provided through a screen into the core housing from the area between the upper and lower core support plates. This will prevent any pressurization force buildup within the incore housing by providing equalized pressures in and out of the tube. The plug assembly cannot be forced completely out of the incore housing due to the normal positioning of the fuel assemblies and the length of the plug assemblies. The twenty-two spare incore housing locations are shown on Figure 2.

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SECRET

CONFIDENTIAL

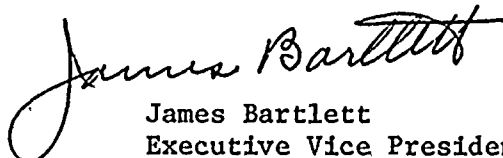
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Mr. D. J. Skovholt  
U. S. Atomic Energy Commission

April 11, 1974

The facility modification has been reviewed by on-site and off-site safety review committees who concur that the modification is in the best interest of maintaining a high degree of safety and reduction in personnel exposure.

Very truly yours,



James Bartlett  
Executive Vice President

/sz



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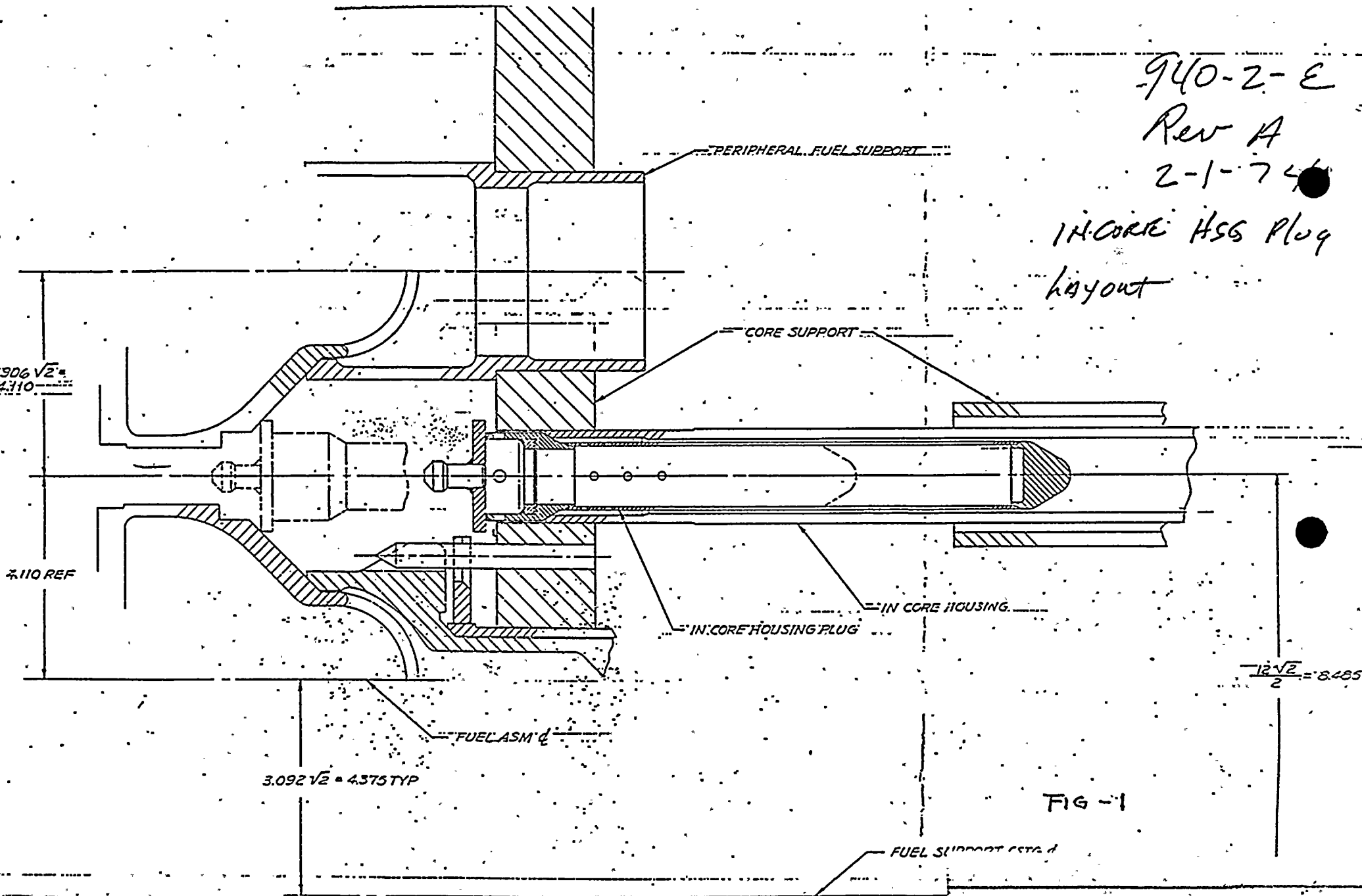
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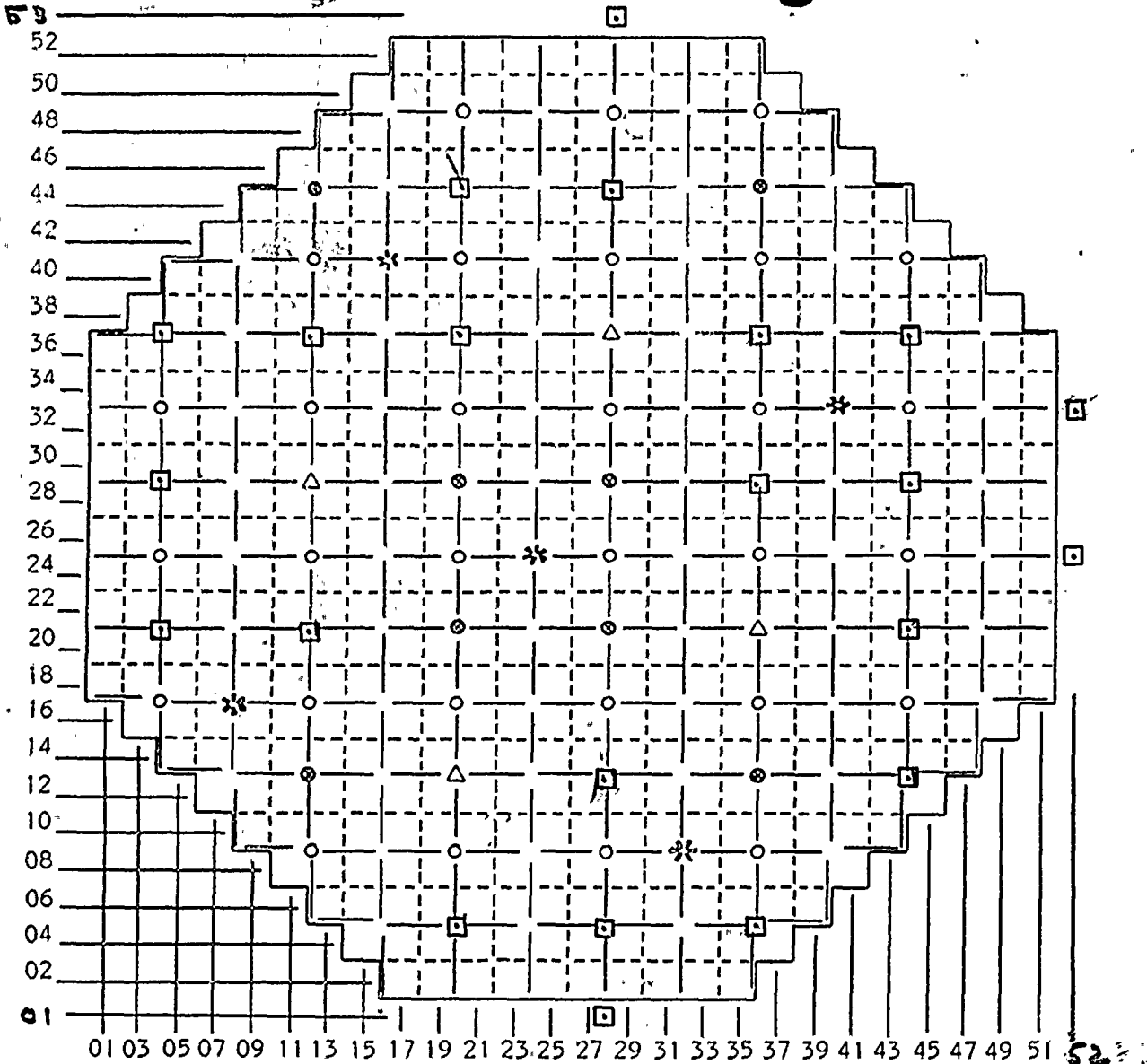
940-2-E  
Rev A  
2-1-74  
IN-CORE HSS Plug  
Layout





[The text in this section is extremely faint and illegible due to the quality of the scan. It appears to be a multi-paragraph document.]





- LPRM LOCATION
- ⊙ IRM LOCATION
- △ SRM LOCATION
- \* SOURCE LOCATION
- SPARE LPRM LOCATION

NOTE:  
 ASSEMBLIES WITH A FACE ON THE CORE PERIPHERY  
 HAVE FLOW RESTRICTIVE ORIFICING.

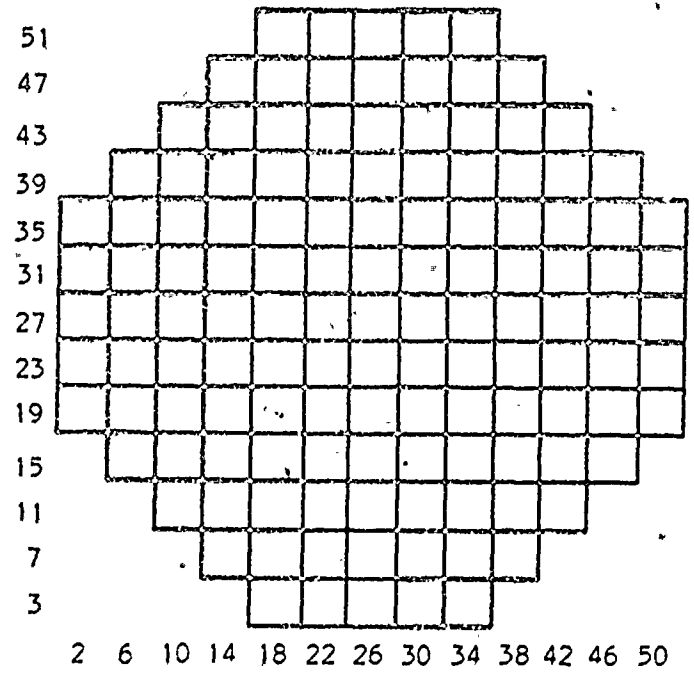


FIG-2

