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TO: B.C. RUSCHE

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## DESCRIPTION

LTR. TRANS THE FOLLOWING.....

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PLANT NAME: NINE MILE PT. # 1

## ENCLOSURE

CERTIFICATE OF SERVICE, CERTIFYING THAT CYS. OF THE DOCUMENT HAVE BEEN SERVED UPON LOCAL OFFICIALS APPLICATION FOR AMENDMENT TO OPERATING LICENSE REQUESTING THE INCLUSION OF A NEW TECH. SPEC. CONCERNING THE OPERATIONAL STATUS OF THE DRYWELL SUPPRESSION CHAMBER DIFFERENTIAL PRESSURE SYSTEM TO ENSURE THE SYSTEM WILL REMAIN FUNCTIONAL DURING A DESIGN BASIS LOSS OF COOLANT ACCIDENT.

( 3 SIGNED CYS. RECEIVED )  
( 13 pages )

## SAFETY

## FOR ACTION/INFORMATION

## ENVIRO

SAB 11-9-76

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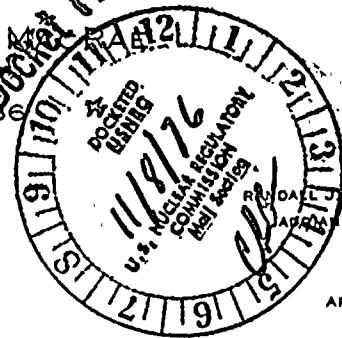
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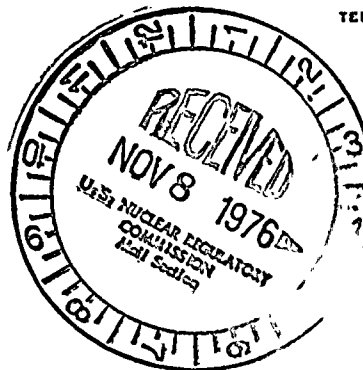


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November 8, 1976



Mr. Ben C. Rusche  
Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

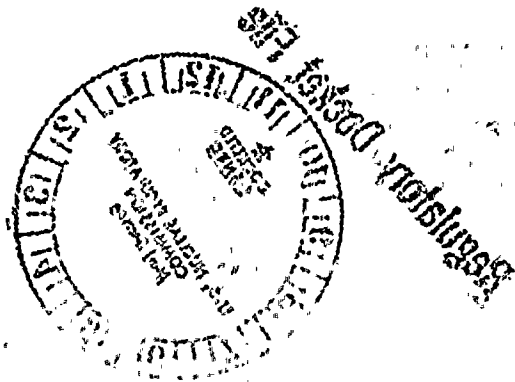
Re: Niagara Mohawk Power Corporation  
Nine Mile Point Nuclear Station,  
Unit No. 1  
Docket No. 50-220

Dear Mr. Rusche:

As counsel for the above-named Licensee, we hereby transmit three (3) originals and 37 copies of a request for amendment of Attachment A to the Company's operating license.

The amendment requests the inclusion of a new technical specification. The requested technical specification applies to the operational status of the drywell-suppression chamber differential pressure system. The objective of the proposed technical specification is to ensure that the system will remain functional during a design basis loss of coolant accident.

11336



UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION



In the Matter of )  
 )  
NIAGARA MOHAWK POWER CORPORATION ) Docket No. 50-220  
(Nine Mile Point Nuclear Station )  
Unit No. 1) )

CERTIFICATE OF SERVICE

I hereby certify that I have served a document  
entitled "Application for Amendment to Operating License"  
by mailing a copy thereof first class, postage prepaid,  
to the following persons this 8th day of November, 1976.

Mr. Robert P. Jones  
Supervisor  
Town of Scriba  
R. D. #4  
Oswego, New York 13126

Miss Juanita Kersey  
Librarian  
Oswego City Library  
120 E. Second Street  
Oswego, New York 13126

Dr. William E. Seymour  
Staff Coordinator  
New York State Atomic  
Energy Council  
New York State Department  
of Commerce  
99 Washington Avenue  
Albany, New York 12210

Eugene B. Thomas, Jr.  
Eugene B. Thomas, Jr.

LeBoeuf, Lamb, Leiby & MacRae  
Attorneys for Niagara Mohawk  
Power Corporation

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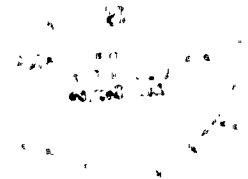
A Certificate of Service showing service of these documents upon the persons listed therein is also enclosed.



Very truly yours,

LeBoeuf, Lamb, Leiby & MacRae

By Eugene B. Thomas, Jr.  
Partner  
Attorneys for Niagara Mohawk  
Power Corporation





UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

In the Matter of

NIAGARA MOHAWK POWER CORPORATION )  
(Nine Mile Point Nuclear Station )  
Unit No. 1) )

Docket No. 50-220

APPLICATION FOR AMENDMENT  
TO  
OPERATING LICENSE

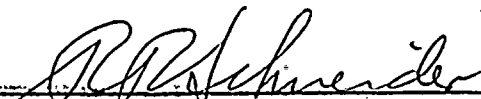
Pursuant to Section 50.90 of the regulations of the Nuclear Regulatory Commission, Niagara Mohawk Power Corporation, holder of Facility Operating License No. DPR-63, hereby requests that the Technical Specifications set forth in Appendix A to that License be amended. This proposed change has been approved by the Site Operations Review Committee and Safety Review and Audit Board.

The proposed Technical Specification change is set forth in Attachment A to this application. Supporting Information, which demonstrates that the proposed change does not involve a significant hazards consideration, is set forth in Attachment B. The proposed change would not authorize any change in the types or any increase in the amounts of effluents or any change in the authorized power level of the facility.

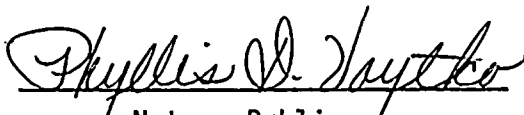


WHEREFORE, Applicant respectfully requests that Appendix A to Facility Operating License No. DPR-63 be amended in the form attached hereto as Attachment A.

NIAGARA MOHAWK POWER CORPORATION

By   
R. R. SCHNEIDER  
Vice President-Electric Production

Subscribed and sworn to before  
me this 5<sup>th</sup> day of November,  
1976.

  
Notary Public

PHYLLIS D. VOYTKO  
Notary Public in the State of New York  
Qualified in Cnon. Co. No. 34-9485535  
My Commission Expires March 30, 1978



ATTACHMENT A

Niagara Mohawk Power Corporation

License No. DPR-63

Docket No. 50-220

Proposed Change to Technical Specifications (Appendix A)

Attached is new Technical Specification 3.3.8 and 4.3.8.



## LIMITING CONDITIONS FOR OPERATION

### 3.3.8 Drywell-Suppression Chamber Differential Pressure

#### Applicability:

Applies to the operational status of drywell-suppression chamber differential pressure system.

#### Objective:

To assure that the pressure suppression system will remain functional during a design basis loss-of-coolant accident.

#### Specification:

- a. Differential pressure between the drywell and suppression chamber shall be maintained according to Figure 3.7.1 except as specified in (1) and (2) below:
  - (1) This differential shall be established whenever containment inerting is required as specified by Specification 3.3.1.
  - (2) This differential may be decreased to less than that of Figure 3.7.1 for a maximum of four hours during required operability testing of the drywell-pressure suppression chamber vacuum breakers.
- b. If the differential pressure of Specification 3.7.1.a cannot be maintained, an orderly shutdown shall be initiated and the reactor shall be in the Hot Shutdown condition within 12 hours and the Cold Shutdown condition within the following 24 hours.

## SURVEILLANCE REQUIREMENTS

### 4.3.8 Drywell-Suppression Chamber Differential Pressure

#### Applicability:

Applies to the periodic testing requirements for the drywell-suppression chamber differential pressure system.

#### Objective:

To verify the operability of the drywell-suppression chamber differential system.

#### Specification:

- a. The pressure differential between the drywell and suppression chamber shall be recorded at least once each shift.



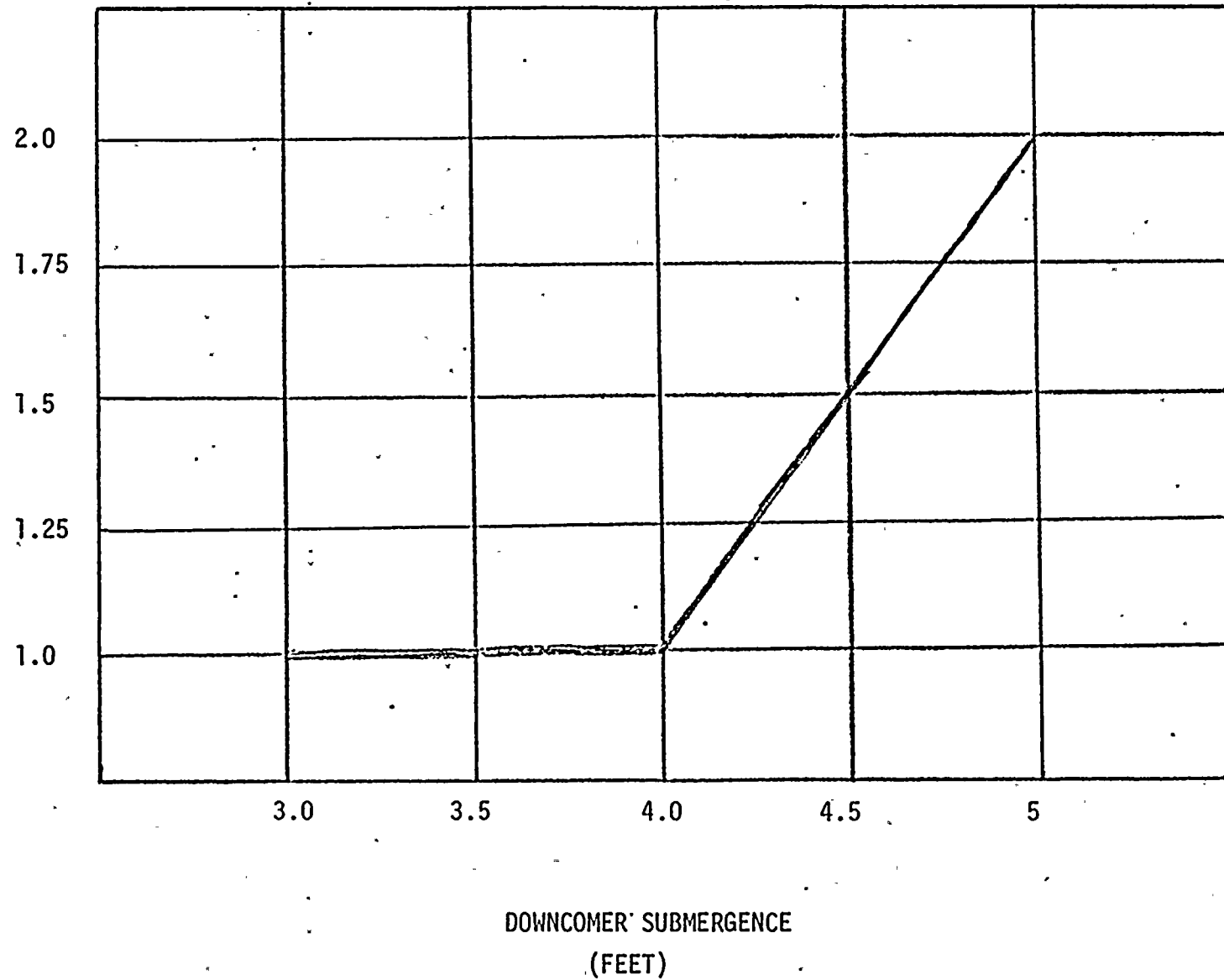


FIGURE 3.3.8

Drywell-Suppression Chamber Differential Pressure

vs.

Downcomer Submergence





## BASES FOR 3.3.8 AND 4.3.8 DRYWELL-SUPPRESSION CHAMBER DIFFERENTIAL PRESSURE

A drywell-suppression chamber differential pressure as shown in Figure 1 is being established to ensure that appropriate safety margins for the suppression chamber and its associated support structure are maintained following a Design Basis Loss of Coolant Accident.



ATTACHMENT B

Niagara Mohawk Power Corporation

License No. DPR-63

Docket No. 50-220

Supporting Information

Introduction

On July 30, 1976 and October 14, 1976, Niagara Mohawk submitted the results of the Plant Unique Analysis for Nine Mile Point Unit 1. This analysis established drywell-suppression chamber differential pressure and suppression chamber water level requirements in order to ensure adequate safety margins for the suppression chamber and associated support structure for a Loss of Coolant Accident.

On September 30, 1976, the Nuclear Regulatory Commission requested information related to instrumentation which is used to monitor differential pressure and water level. In addition, Technical Specifications which cover differential pressure and water level were requested.

Description of the Methods Used to Establish and Maintain Drywell-Suppression Chamber Differential Pressure

The primary containment vent fill and purge system is used to inert the primary containment. A description of this system may be found in Section VII G of the FSAR. When necessary to expel nitrogen from the Drywell or Suppression Chamber, the Emergency Ventilation System is placed into operation. All operations are in accordance with the Inerting System Operating Procedure. There are no changes in the valve lineups which are now under Technical Specifications.

....Continued



Instrumentation Utilized to Monitor Drywell-Suppression Chamber Differential Pressure and Suppression Chamber Water Level

Figure 1 shows the instrumentation presently being used to monitor drywell-suppression chamber differential pressure. Included on the figure is range, accuracy, readouts and number of channels. Similar information for suppression chamber water level is shown in Figure 2. There are presently no Technical Specification requirements on this instrumentation nor are any proposed at this time. Should differential pressure be required at completion of the Long Term Program, Technical Specifications will be proposed for this instrumentation.





● DRYWELL - SUPPRESSION  
CHAMBER DIFFERENTIAL  
PRESSURE

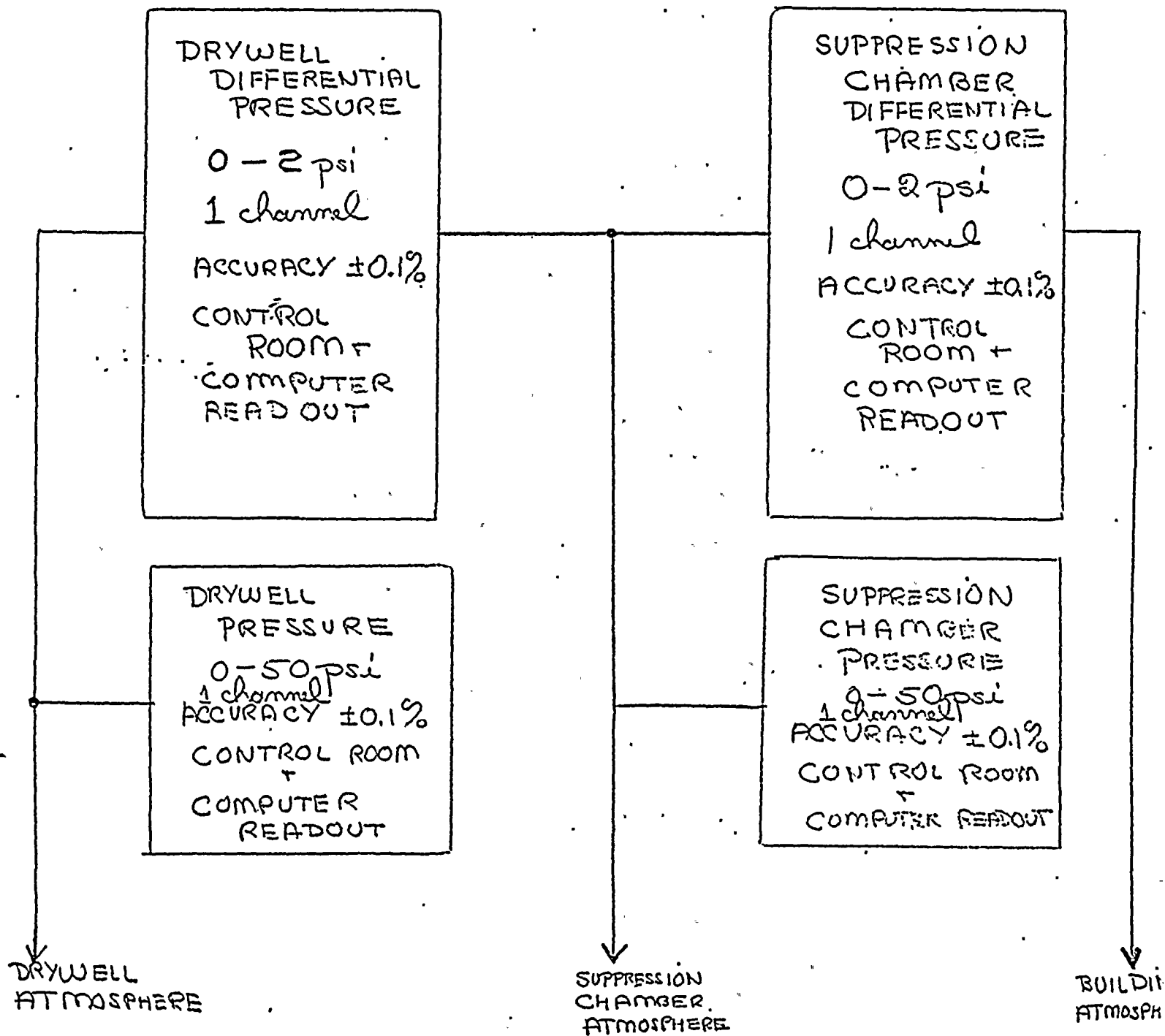


FIGURE 1



# SUPPRESSION CHAMBER WATER LEVEL

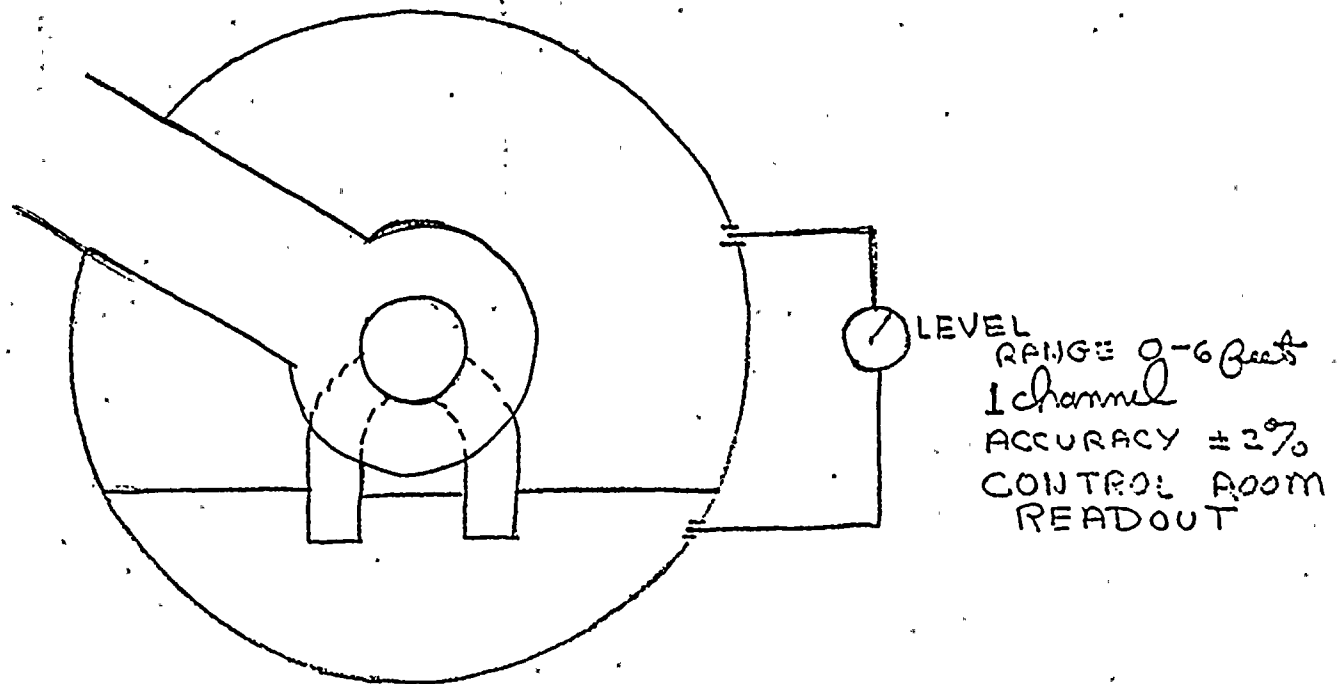


FIGURE 2

