

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: 50-251 Turkey Point Plant, Unit 4, Florida Power and Light Co 05000251  
 AUTH. NAME: AUTHOR AFFILIATION  
 UHRIG, R. E. Florida Power & Light Co.  
 RECIP. NAME: RECIPIENT AFFILIATION  
 EISENHUT, D. G. Division of Licensing

SUBJECT: Forwards facility steam generator insp program. Insp planned for Fall 1981.

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OCT 01 1981

RG

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1. The purpose of this document is to provide information regarding the activities of the [redacted] and the [redacted] in the [redacted] area. The information is being provided to you for your information and for your use in the [redacted] area.

2. The information is being provided to you for your information and for your use in the [redacted] area.

3. The information is being provided to you for your information and for your use in the [redacted] area.

CONFIDENTIAL

4. The information is being provided to you for your information and for your use in the [redacted] area.

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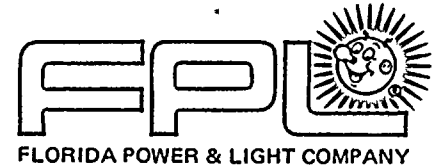
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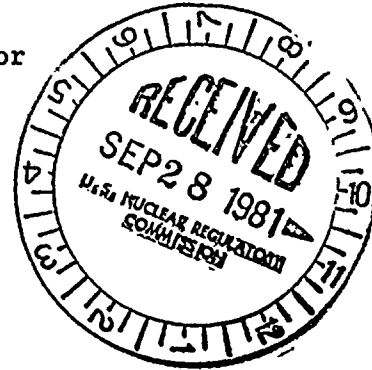


September 24, 1981  
L-81-421

Office of Nuclear Reactor Regulation  
Attention: Mr. Darrell G. Eisenhut, Director  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Mr. Eisenhut:

Re: Turkey Point Unit 4  
Docket No. 50-251  
Steam Generator Inspection Program



Attached for your information is a copy of the Turkey Point Unit No. 4 Steam Generator Inspection Program. This inspection is planned for fall 1981.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Robert E. Uhrig".

Robert E. Uhrig  
Vice President  
Advanced Systems & Technology

REU/JEM/ras

cc: Mr. J. P. O'Reilly, Region II  
Harold F. Reis, Esquire

8109290504 810924  
PDR ADDCK 05000251  
Q PDR

*Handwritten:* Aool  
S/1

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for the integrity of the financial system and for the ability to detect and prevent fraud.

2. The second part of the document outlines the specific procedures for recording transactions. It details the steps involved in the accounting process, from the initial entry of data into the system to the final review and approval of the records.

3. The third part of the document addresses the challenges associated with maintaining accurate records. It identifies common sources of error and provides strategies for minimizing these errors. It also discusses the importance of regular audits and the role of internal controls in ensuring the accuracy of the records.

4. The fourth part of the document discusses the impact of technology on record-keeping. It highlights the benefits of using computerized systems for recording transactions, such as increased efficiency and reduced risk of error. It also discusses the challenges of implementing and maintaining these systems.

5. The fifth part of the document discusses the importance of training and education in maintaining accurate records. It emphasizes that all personnel involved in the accounting process must be properly trained and educated to ensure the accuracy of the records.

6. The sixth part of the document discusses the importance of transparency and accountability in the financial system. It emphasizes that all transactions must be properly documented and that the results of the accounting process must be made available to all stakeholders.

7. The seventh part of the document discusses the importance of compliance with applicable laws and regulations. It emphasizes that all record-keeping activities must be conducted in accordance with the relevant legal requirements.

8. The eighth part of the document discusses the importance of ongoing monitoring and evaluation of the record-keeping process. It emphasizes that the system must be regularly reviewed and updated to ensure its continued effectiveness.

9. The ninth part of the document discusses the importance of communication and collaboration in maintaining accurate records. It emphasizes that all personnel involved in the accounting process must work together to ensure the accuracy of the records.

10. The tenth part of the document discusses the importance of documentation and archiving of records. It emphasizes that all records must be properly stored and maintained for the required period of time.

TURKEY POINT UNIT NO. 4  
STEAM GENERATOR INSPECTION PROGRAM  
PLANNED FOR FALL 1981

1. Eddy Current testing of U-bends is planned as follows:
  - a. Steam Generator A, rows 3-5, columns 1-92; unplugged tubes will be tested at 100 KHZ using beaded flex 0.540 probe.
  - b. Any tube(s) which give indication at 100 KHZ will be reprobbed using 400 KHZ.
2. Hot leg tube gauging will be conducted on all three steam generators utilizing two different sized eddy current probes (.540 in , .610 in., and .650 in. diameters). The areas outside of the boxed in areas on the attached tube maps indentify the tubes to be probed.
3. Cold leg tube gauging will be conducted on all three steam generators utilizing two different sized eddy current probes (.540 in. and .610 in.). The blocked area on the attached tube map indicates the extent of the cold leg gauging.
4. Handhole inspections using TV and/or photographs will be used to inspect the flow slots and determine the extent of hourglassing on the #1 tube support plates in Steam Generators A, B, and C.
5. A Regulatory Guide 1.83 inspection will be performed. The attached maps identify the areas to be inspected. Note that the areas to be inspected (for thinning) have been expanded to include the overall tubesheet area.
6. Preventive plugging will be based upon the inspection results.



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1. The purpose of this document is to provide a comprehensive overview of the current state of the project and to identify the key areas that require attention. The information presented here is intended for the use of management and other stakeholders who are involved in the project.

2. The project has made significant progress since the last meeting. The initial planning phase has been completed, and the team has begun work on the development of the system. The first version of the system is expected to be completed by the end of the year.

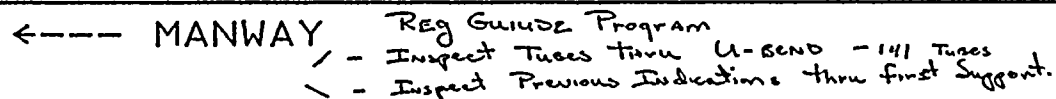
3. There are several key areas that require attention at this time. The first is the need to ensure that the system is secure and that all data is protected. The second is the need to ensure that the system is user-friendly and that it meets the needs of the end users. The third is the need to ensure that the system is scalable and that it can handle a large volume of data.

4. The team is working closely with the end users to ensure that the system meets their needs. We are also working with the security team to ensure that the system is secure. The project is on track and we are confident that we will be able to complete the system by the end of the year.

5. The project is a complex one and it will require a lot of work. However, the team is committed to the project and we are confident that we will be able to complete it successfully. We will continue to work closely with the end users and the security team to ensure that the system meets their needs and is secure.

FLA-A

Inlet



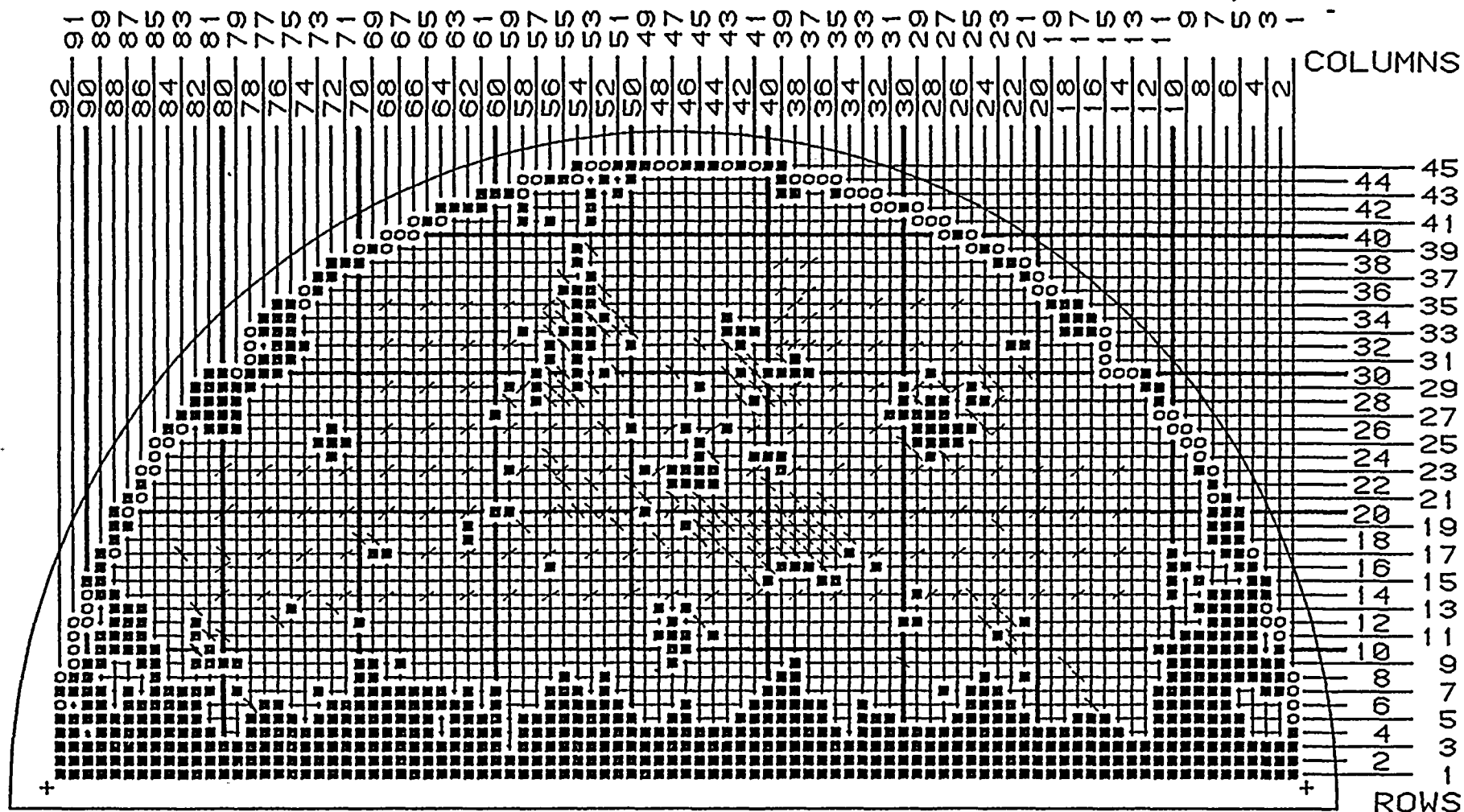
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SERIES 44

FLA-B

INLET



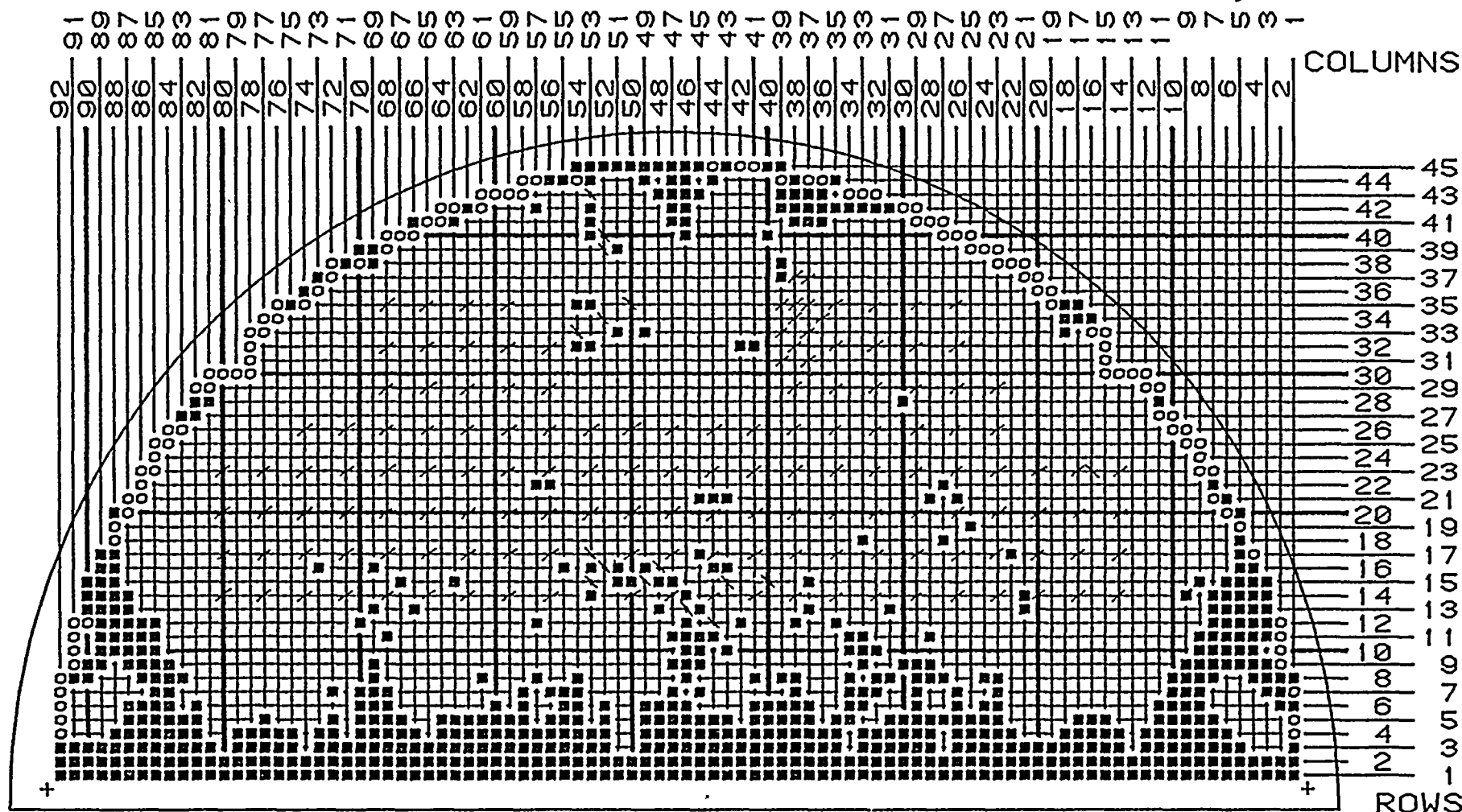
←--- MANWAY

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SERIES 44

FLA-C

INACT



←-- MANWAY

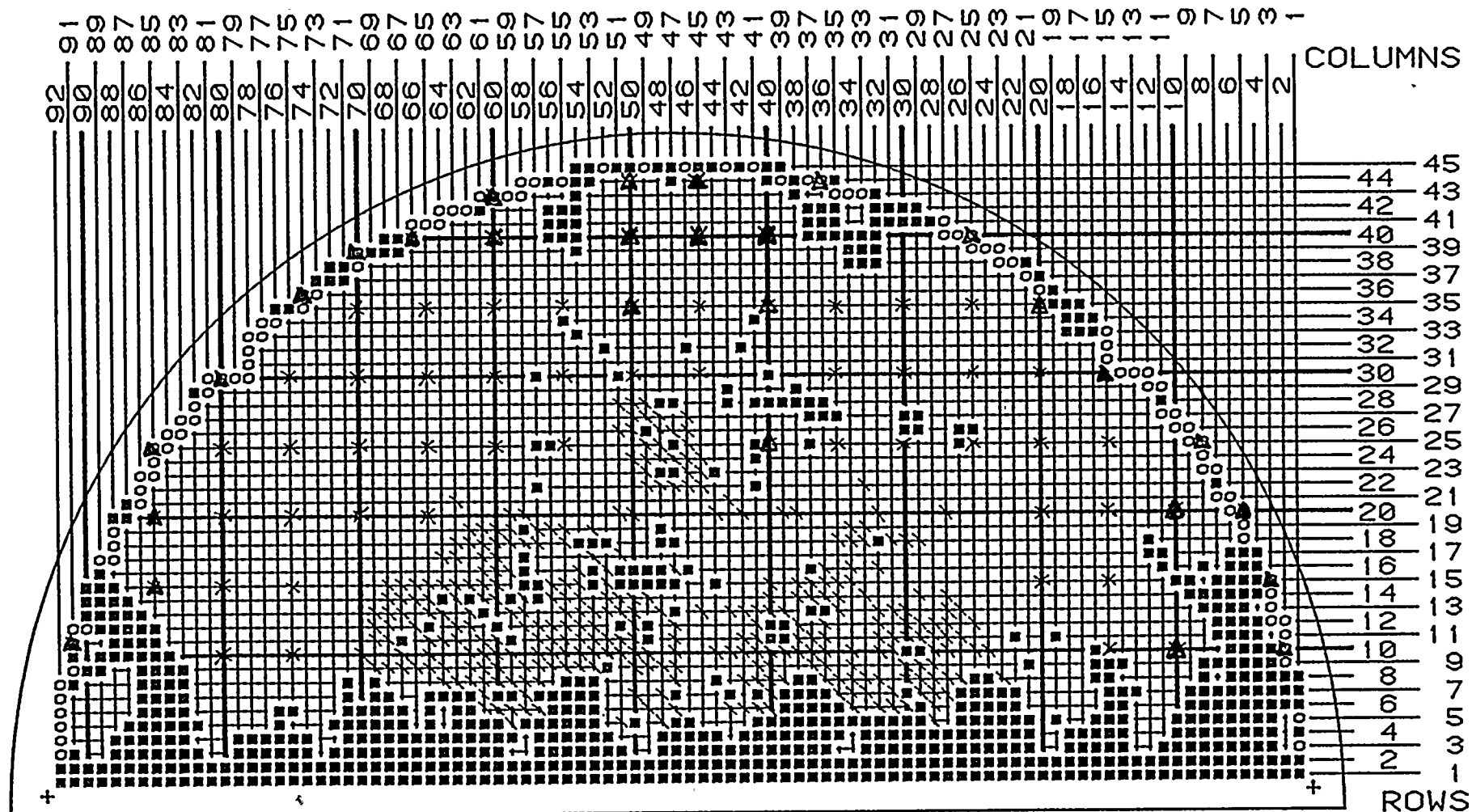
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SERIES 44

FLA-A

OUTLET



←--- MANWAY

REG GUIDE Program

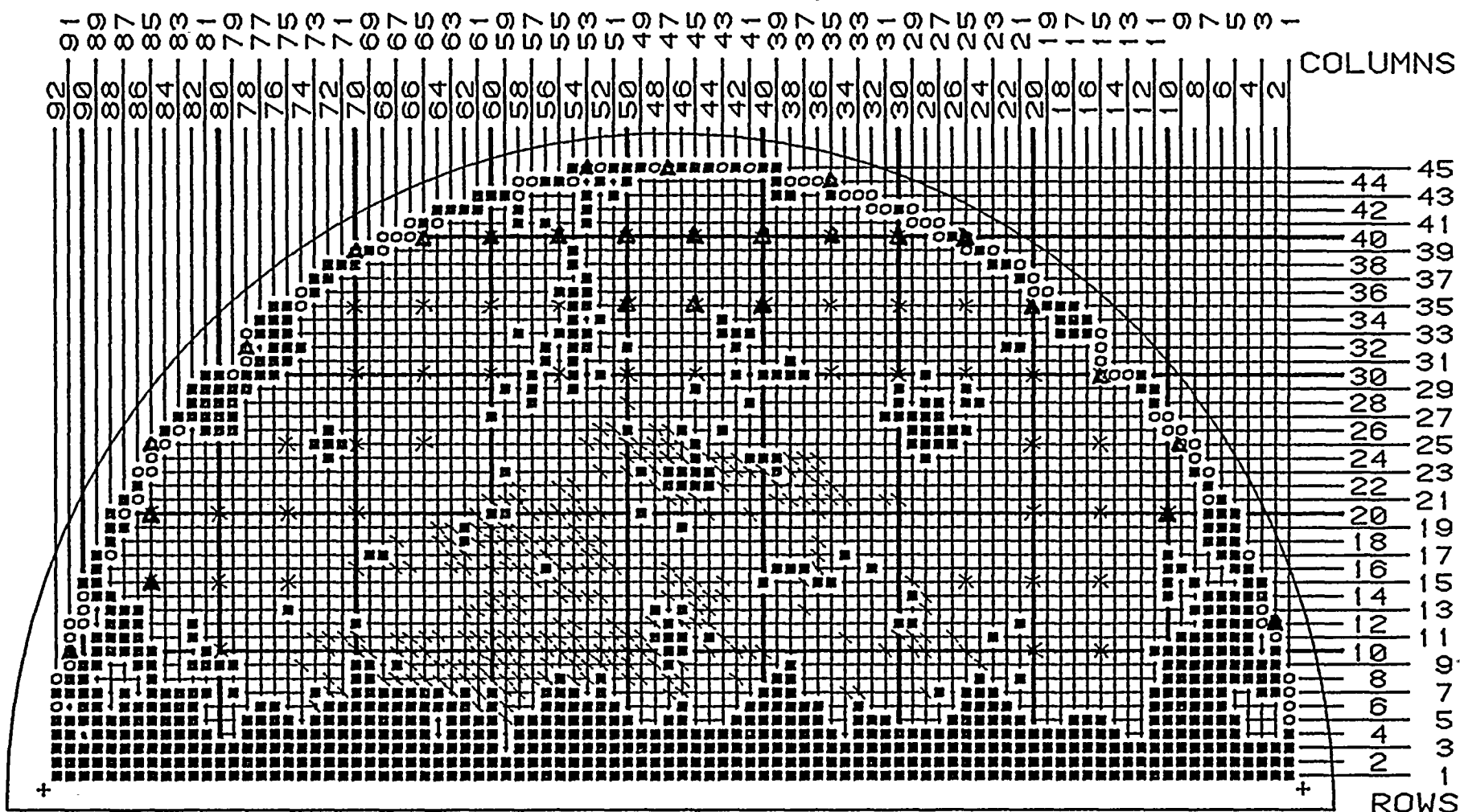
NOZZLE ---->

- Inspect Previous Indications (✓) thru 1st Support.
- Inspect tubes in S&S pattern (x) thru 1st Support.
- TUBES TO BE INSPECTED THROUGH U-BEND (Δ)

SERIES 44

FLA-B

OUTLET



←--- MANWAY

Reg Guide Program

- Inspect Previous Indications (o) thru 1st Support
- Inspect tubes in 5x5 Array (■)
- TUBES TO BE INSPECTED THROUGH U-BEND (▲)

NOZZLE ---->



FLA-C

1 COLUMNS



- Inspect Previous Indications (✓) thru 1st Support.
- Inspect tubes in S&S ARRAY (X) thru 1st Support.
- TUBES TO BE INSPECTED THROUGH U BEND (Δ)

NOZZLE ---->



# Proposed Gauging Boundary - 1981

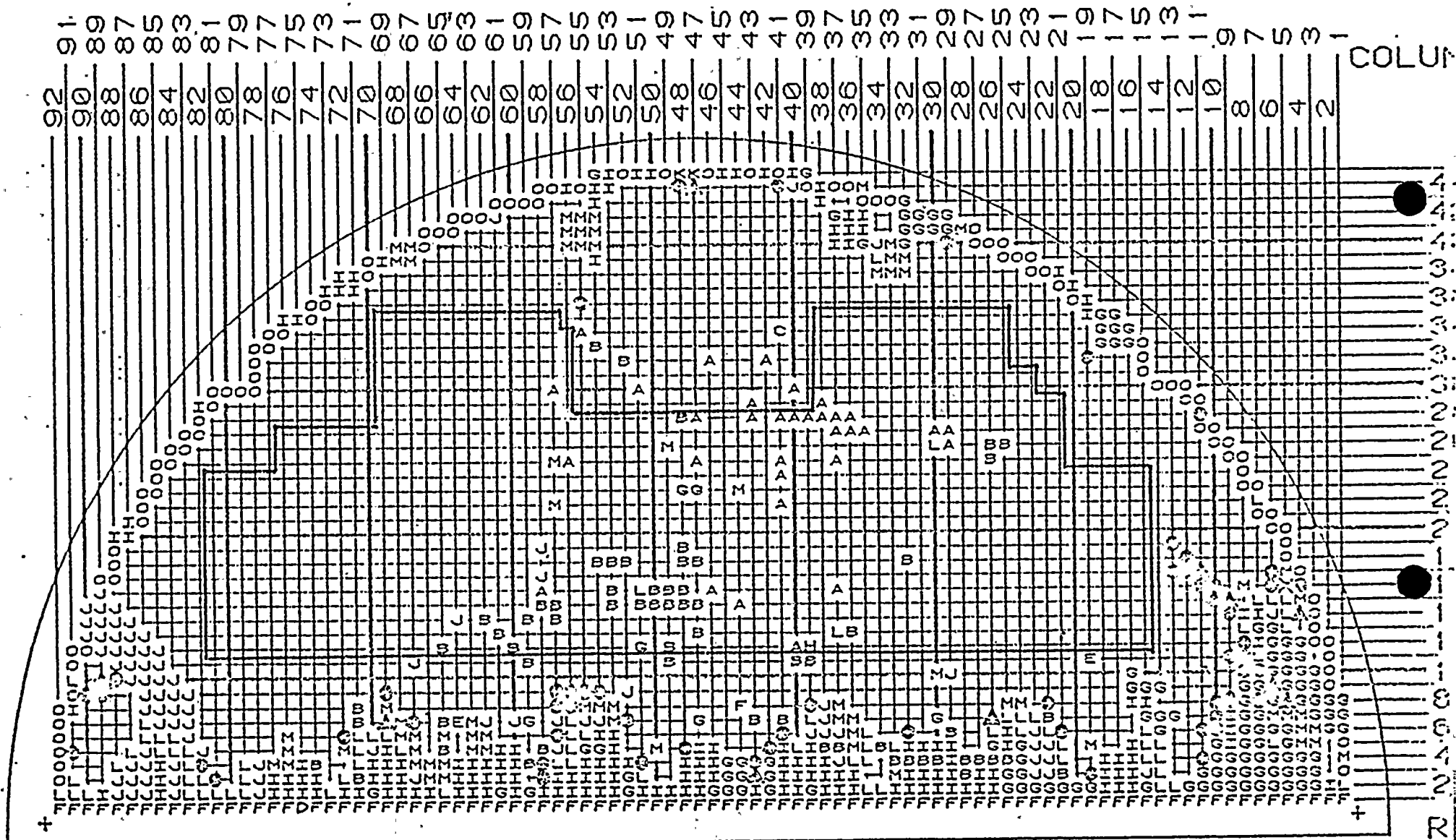
FIGURE 9

A 33 9/74; TUBES PLUGGED  
 B 63 6/75; TUBES PLUGGED  
 C 1 DATE NOT KNOWN; TUBES PLUGGED  
 D 1 SHOP WELD  
 E 2 5/76; TUBES PLUGGED  
 F 92 11/76; TUBES PLUGGED  
 G 132 7/77; TUBES PLUGGED

H 1  
 I 169  
 J 86  
 K 2  
 L 79  
 M 72

7/77; WELD REPAIR HL, E/P CL  
 2/78; TUBES PLUGGED  
 8/78; TUBES PLUGGED  
 SHOP WELD, HL MISDRILLED  
 4/79; TUBES PLUGGED  
 5/80; MECH PLUGGED

SERIES  
 FLA-A  
 INLET



MANWAY

TURKEY POINT UNIT #4  
 GAUGING RESULTS, NOV., 1980  
 STEAM GENERATOR A. INLET

RESTRICTED TUBES

X = .540 PROBE  
 A = .610 PROBE  
 O = .650 PROBE

NO. OF TUBES

1  
 11  
 57

NOZZLE

---



FIGURE 11

42 8/74, TUBES PLUGGED  
 1 8/75, TUBE PLUGGED  
 1 8/75, BARE HOLE PLUG HL-E/P CL  
 60 6/75, TUBES PLUGGED  
 1 SHOP WELD  
 1 8/75, BARE HOLE PLUGS—HL, CL  
 11 8/75, TUBES PLUGGED  
 3 5/76, TUBES PLUGGED  
 48 8/76, TUBES PLUGGED

J 188  
 K 1  
 L 384  
 M 8  
 N 79  
 P 28  
 R 52  
 S 48

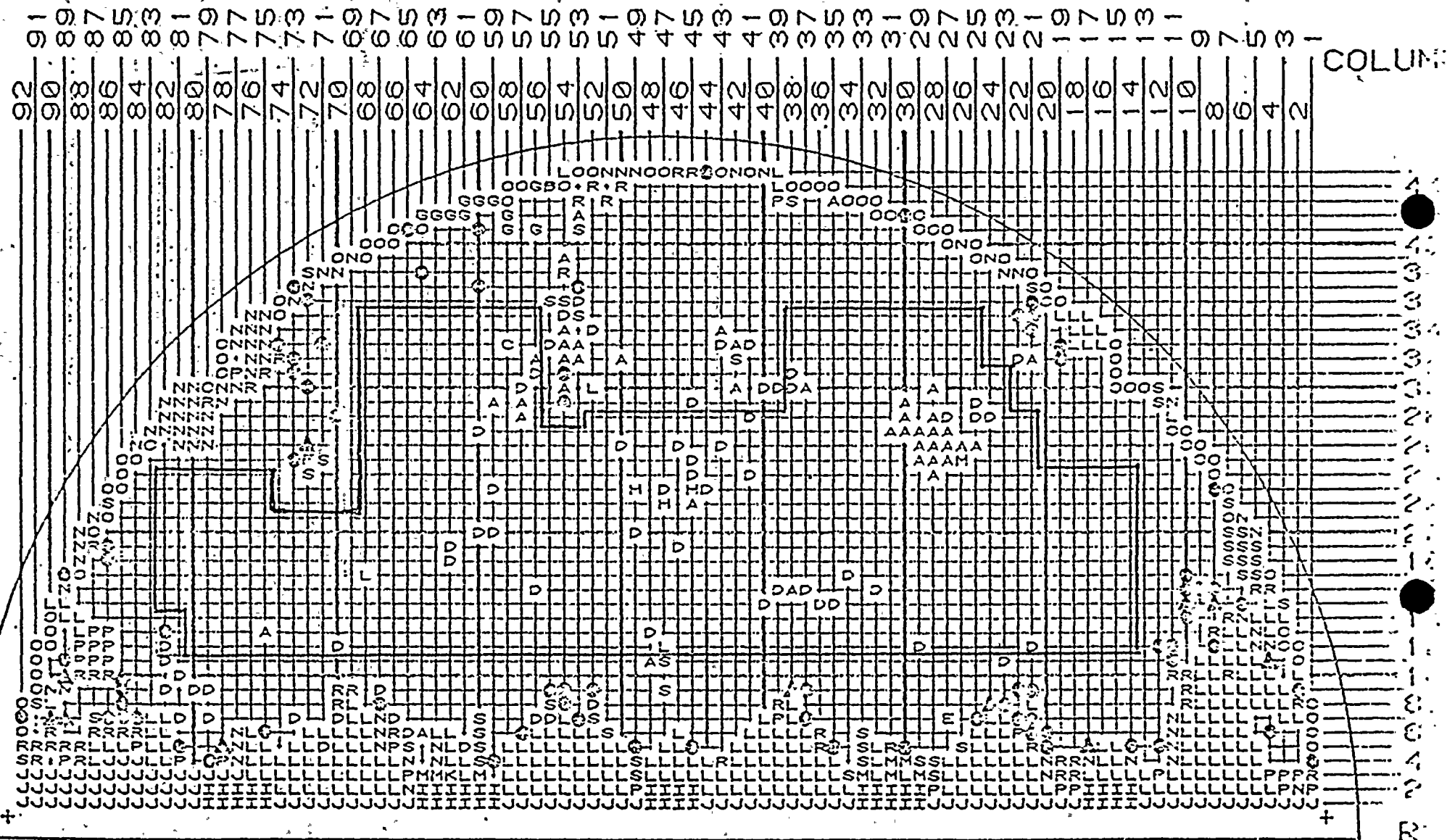
11/76, TUBES PLUGGED  
 7/77, WELD REPAIR  
 7/77, TUBES PLUGGED  
 10/77, TUBES PLUGGED  
 2/78, TUBES PLUGGED  
 8/78, TUBES PLUGGED  
 4/79, TUBES PLUGGED  
 5/80, MECH PLUGGED

Proposed Gauging  
 Boundary - 1981

SERIES 4

FLA-E3

INLET



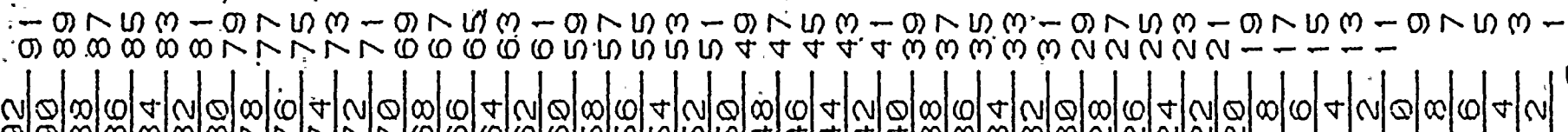
←--- MANWAY TURKEY POINT UNIT #4  
 GAUGING RESULTS NOV., 1980  
 STEAM GENERATOR B INLET

RESTRICTED TUBES  
 X = .540 PROBE  
 Δ = .610 PROBE  
 ● = .650 PROBE

NO. OF TUBES NOZZLE --->  
 NONE  
 12  
 77



INLET

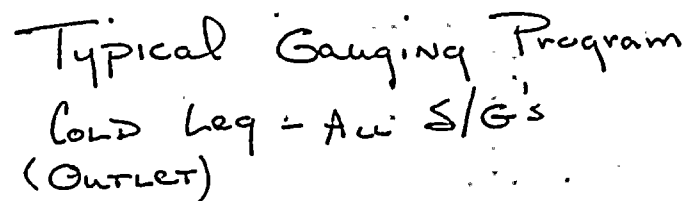


NOZZLE ---→



FLA-10

OUTLET





10-10-10

10-10-10

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10-10-10