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QUALITY REPORT

PINELLAS QUALITY ASSURANCE INSPECTION AGENCY

MARCH, 1971

This report is published to provide quality information on material for which Sandia Laboratories have design responsibility. This information is derived from the results of inspections, surveys, and audits made by the Pinellas Quality Assurance Inspection Agency, or delegated by them to another agency.

EPARTMENT OF ENERGY/DECLASSIFICATION REVIEW
ST REVIEW DATE: 12/16/94 DETERMINATION: CLASSIFICATION CANCELLED
UTHORITY: ADC
AME: R. B. Craner
ND REVIEW DATE: 2/8/95
UTHORITY: ADD
AME: J. P. Trodden

I. M. Miracle, Chief
Quality Assurance Section
PINELLAS AREA OFFICE, AEC

P-24

PROGRAM		ORG.	
7 5 9 0 3	0 3 0 . 0	6 2 5	7 1 1 6
	CATEGORY		DATE

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GROUP I
Excluded from automatic downgrading and declassification.

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QUALITY REPORT - PINELLAS

March, 1971

1. GENERAL SUMMARY

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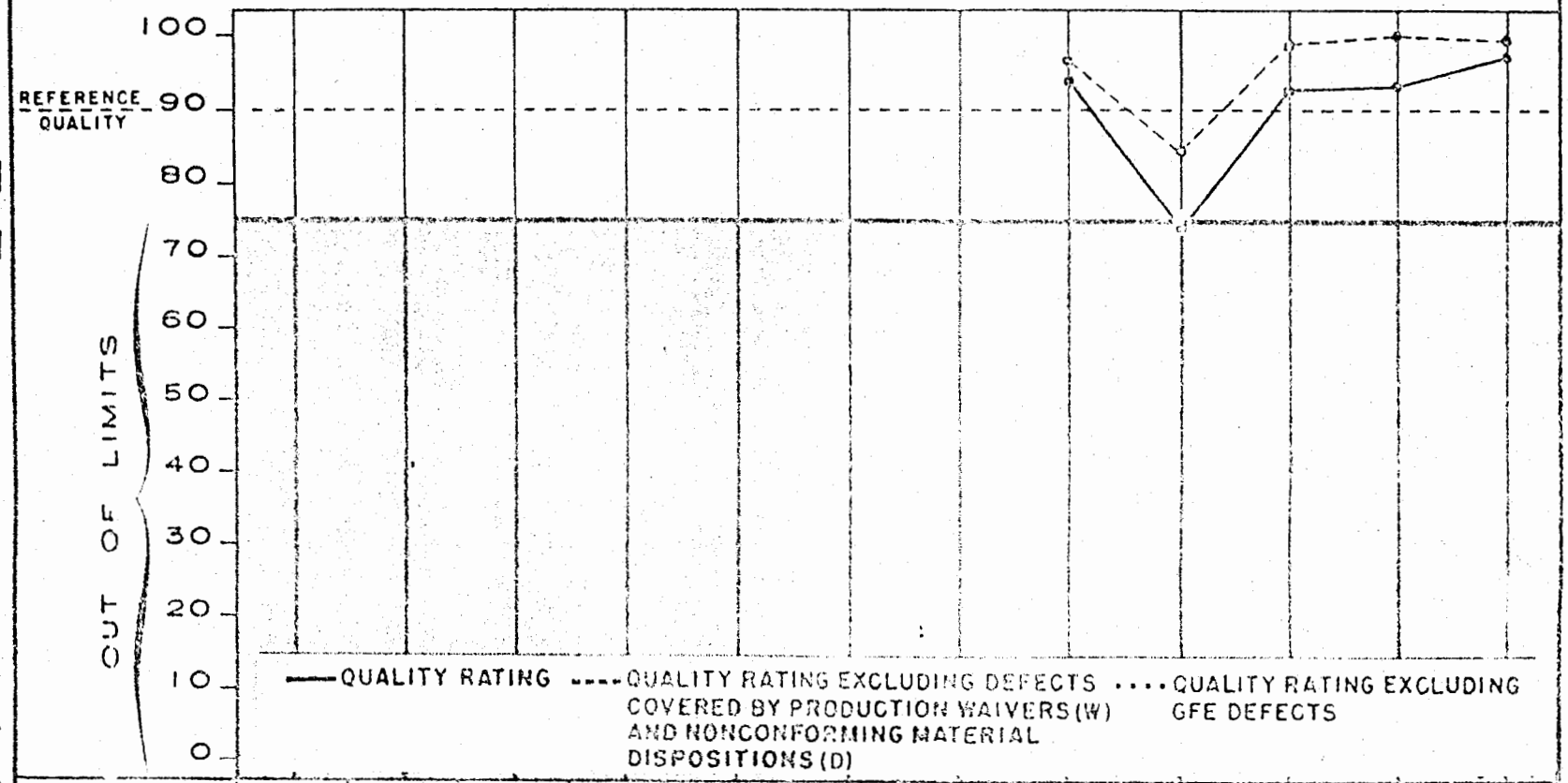
4-1 AFC Accepted Material Review

QAIA: PINELLAS

1.1 AGGREGATE RATING
ONLY INITIAL SUBMISSIONS OF W, N, AND G MATERIAL ARE INCLUDED

QUALITY INDEX HISTORY



MONTH - YEAR								NOV 70	DEC	JAN 71	FEB	MAR
INDEX								94.7	74.6	93.0	93.5	97.5
INDEX LESS W&D								97.1	83.9	98.8	100.0	99.2
TOTAL SUBMITTED								1845	2880	3281	2039	3416
TOTAL SAMPLED								467	577	541	365	658
DEFECTS - a								0	1	3	0	0
b								1	1	0	0	1
c								2	8	8	4	2
D								5	1	6	0	2

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1-2 Quality Rating Summary Notes - NONE

1-3 Summary of Audit and Survey Activity

Three QAP 5.3 Internal Process Surveys were performed resulting in three Satisfactory ratings.

2. COMPILATION OF VERIFICATION INSPECTION ACTIVITY

2-1 Initial Submissions Lot Verification

No. of lots submitted	6
Accepted as conforming	6
Accepted as nonconforming	0
Rejected	0
SKIP LOT's not inspected	1

2-1.1 Resubmissions Lot Verification

No. of lots resubmitted	0
Accepted as conforming	0
Accepted as nonconforming	0
Rejected	0

2-2 Unit Verification

Number of CI's	23
Number of units submitted	1802
Number of units inspected	564
Number of units rejected or returned	2

2-3 Significant Defectiveness

Item or Stage Name and Materiel Number	Assigned Demerits and Defect Identification	Description of Defect Observed
MC2049 211460-02	50 (1B)	The helix pigtail was not aligned with the threaded sleeve notch as specified in AY211460 -- the unit failed gage G805. An NCM was subsequently approved.

3. AUDIT AND SURVEY ACTIVITY

3-1 Internal Process Verification Surveys

Survey Item, Process, or Activity	Survey Report Control No. and Date	Assigned Rating	Remarks
Apparatus Manufacturing & Test, and MC2366 Neutron Detector Assembly	PV-133 Mar. 3	Satisfactory	None
Incoming Test & Inspection, Material Control, and Materials Review Board Activities	PV-134 Mar. 19	Satisfactory	None
Environmental Test, Tube Test, Final Test, Shipping, MC2042 Neutron Generator Subassembly, and MC2366 Neutron Detector Assembly	PV-135 Mar. 24	Satisfactory	None

3-2 Quality Audits (QC 3.4) - NONE

4. ITEM OF GENERAL INTEREST

4-1 AEC Accepted Material Review

This is a review of all AEC accepted material subjected to additional tests and inspections required by applicable specifications. These tests and/or inspections are in addition to normal inspections f shipping and handling damage before release to stock during report month.

Name and Matl. No.	Lot Identif.	Lot Size	Number of Rejects: Total Rej.	Number of Rejects: Rejects Due to Add. Tests/Insp.	Reasons for Rejec
MC2[illegible]1 312[illegible]1	GF#025 (Vendor #25)	1260	5	0	Visual: Chips, Pits, Unplated border, Plating extending into ceramic
MC2261 312[illegible]1	GF#101 (Vendor #27)	1053*	1	0	Visual: Chips

*Prior to Incoming Inspection, 462 elements were removed from this lot and transferred to the Engineering Section for use in assembling MC2698's (modified MC2042's) for Sandia Labs.

MC22[illegible] 312[illegible]	GF#102 (Vendor #36)	1284**	9	2	X-Ray: Voids; Visual: Voids, Chips, Foreign Material

**1. Element S/N 43051 lost in plant during Incoming Inspection.
2. Prior to Incoming Inspection, 180 elements were removed from this lot and transferred to the Engineering Section for use in assembling MC2698's (modified MC2042's) for Sandia Labs.

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Name and Matl. No.	Lot Identif.	Lot Size	Number of Rejects: Total Rej.	Number of Rejects: Rejects Due to Add. Tests/Insp.	Reasons for Rejec
MC2262 312322	GE#103 (Vendor #37)	1517	15	8	X-Ray: Voids Visual: Voids, Broken, Foreign Material
MC2262 312322	GE#104 (Vendor #39)	548	10	4	X-Ray: Voids, Cracks Visual: Voids, Chips, Cracks, Broken