

Handling of "Contractor Incident
Interface Reports" !

INFORMATION ONLY

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1.0 SCOPE

- 1.1 These instructions provide the method for review and disposition of Site Contractor initiated "Contractor Incident Interface Reports".

2.0 PURPOSE

- 2.1 The purpose of these instructions is to provide the necessary direction and responsibility in order to assure the complete and timely review and disposition of "Contractor Incident Interface Reports" submitted to UE&C.

3.0 RESPONSIBILITIES

- 3.1 UE&C Resident Construction Engineer shall have overall responsibility for implementation of this procedure and provide complete and timely dispositions to "Contractor Incident Interface Reports".
- 3.2 UE&C Resident Construction Engineer shall also close the "Contractor Incident Interface Report" when all required action to the disposition of a "Contractor Incident Interface Reports" has been completed.
- 3.3 UE&C Power Engineering, as requested, will provide technical assistant to Resident Construction Engineer when completing a disposition to a "Contractor Incident Interface Report".



3.4 UE&C Area Superintendents/Supervisors shall be responsible to assure that "Contractor Incident Interface Report" items will not be mislocated, replaced and/or repaired until responsible contractor has "Contractor Incident Interface Report" item under their control.

3.5 UE&C Construction Management, as requested, will provide technical assistance to Resident Construction Engineer when completing a disposition and shall assure, from a construction viewpoint, that the dispositions of "Contractors Incident Interface Reports" are completed.

3.6 UE&C FSQA will assure that appropriate engineering documentation as requested and required by dispositioned "Contractor Incident Interface Reports" has been submitted to UE&C by the Responsible Contractor for Safety-Related Items/Areas in the Civil/Structural discipline

3.7 The titles of individuals or departments noted in this procedure shall mean the individual holding the title or his designee, unless specifically excluded.

4.0 GENERAL

4.1 Definitions

4.1.1 Contractor Incident Interface Report

"Contractor Incident Interface Reports" - A document, initiated by Site Contractors to 1) describe any damaged work

item(s) which is the responsibility of another Contractor or 2) report deficient and/or defective work item(s) which were installed by another Contractor or 3) delineate internal design changes or deficiencies for incomplete work by a Site Contractor for material procured within his parent company. (Note: Item #3 is presently applicable only to GE and Westinghouse).



United engineers

Constructors Inc.

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4.1.2 Repeating Contractor - Contractor who either 1) damages an work item(s) which is the responsibility of another contractor or 2) discovers a deficient and/or defective work item(s) which were installed by another Contractor; or 3) delineate internal design changes or deficiencies for incomplete work by a Site Contractor for material procured within his parent company. (Note: Item #3 is presently applicable only to GE and Westinghouse) therefore initiating a "Contractor Incident Interface Reports".

4.1.3 Responsible Contractor - Contractor whose work item(s) has ~~been~~ been 1) damaged by another contractor or 2) discovered ~~be~~ deficient or defective and therefore, responsible for ~~completion~~ completion of the disposition to a "Contractor Incident Interface Report".

4.1.4 Work Item - Any Safety-Related, Non-Safety Related, Nuclear ~~or~~ or Non-nuclear, temporary or permanent construction

Reference

1 C. Elouin - FGCP-002 (F.P. 44554)

2 F. Hbach-Boulos-Manzi - FECF-204 (F.P. 43683)

3 F. Hake - FGCP-8 (F.P. 45697)

4 John son Controls - QAS-1601-SS (F.P. 45351)

5 Nor cheast Surfco-Leonard - FALP-001 (F.P. 43615)

6 Per ni - FGCP-008 (F.P. 10255)

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- 4.2.7 Pullman Higgins - XV-2 (F.P. 41497)
- 4.2.8 General Electric-FACP-7 (F.P. 46233)
- 4.2.9 RM-1

4.3 Attachments

- 4.3.1 Contractor Incident Interface Report (CIIR)
- 4.3.2 Contractor Incident Interface Report Log

5.0 PROCEDURE - PRELIMINARY REQUIREMENTS

5.1 Prerequisites

- 5.1.1 Reporting Contractors, initiating a "Contractor Incident Interface Report", shall complete Section A Items 1 and 3 through 10 of Attachment 4.3.1 including the following information, as a minimum

- 5.1.1.1 Particular work item or component affected, equipment or ID Number, if applicable.

- 5.1.1.2 Building or location of the item.

- 5.1.1.3 Applicable Unit Number.

- 5.1.1.4 Brief description of construction activity which prompted the "Contractor Incident Interface Report".

- 5.1.2 Reporting Contractors shall submit "Contractor Incident Interface Report" to UE&C in accordance with their applicable requirements. (see Reference Documents)



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5.2 Precaution

5.2.1 When referring to answered "Contractor Incident Interface Reports", Contractors and UE&C personnel shall utilize the applicable UE&C "Contractor Incident Interface Report" number as designated by the UE&C Resident Construction Engineer.

6.0 DETAILED PROCEDURE

6.1 Upon receipt of a "Contractor Incident Interface Report", (except those CIIR's defined in Paragraph 9.0) the Resident Construction Engineer shall log it, in accordance with Paragraph 6.3, assign UE7C Field Engineer responsible for responding and forward a copy of the "Contractor Incident Interface Report" to the applicable UE&C Area Superintendent/Supervisor UE&C Discipline Superintendent, as applicable and UE&C FSQA.

6.2 UE&C Field Engineer, responsible for responding to the "Contractor Incident Interface Report", shall, as necessary, interface with UE&C Power Engineering and/or UE&C Construction Management. In a timely manner, UE&C Field Engineering shall disposition the "Contractor Incident Interface Report" by completing Section B Items 11 through 16 and forward to UE&C Resident Construction Engineer for logging and distribution in accordance with Paragraphs 6.3 and 6.4.

6.3 UE&C Resident Construction Engineer shall maintain a log, Attachment 4.3.2, of all "Contractor Incident Interface Reports". This log, as a minimum, shall contain the following information:



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6.3.1 Assigned "Contractor Incident Interface Report" Number.

6.3.2 Reporting Contractor.

6.3.3 Brief description of Work Item/Subject.

6.3.4 Date of "Contractor Incident Interface Report".

6.3.5 Date received by UE&C Resident Construction Engineer.

6.3.6 Individual(s) responsible for responding.

6.3.7 Date "Contractor Incident Interface Report" answered.

6.3.8 Responsible Contractor.

6.3.9 List date for close out when disposition to "Contractor Incident Interface Report" completed. (Refer to Paragraph 9.0)

6.4 Distribution of answered "Contractor Incident Interface Report" shall be made by the Resident Construction Engineer.

Determination of this distribution by the Resident Construction Engineer will depend on the subject of the "Contractor Incident Interface Report". However, as a minimum, the following should receive all answered "Contractor Incident Interface Reports":

6.4.1 Responsible Contractor.

6.4.2 Reporting Contractor.

6.4.3 UE&C Resident Construction Manager.


6.4.4 UE&C Resident Construction Engineer.

6.4.5 Applicable UE&C Discipline Superintendent.

6.4.6 UE&C Area Supervisors

6.4.7 UE&C FSQA

6.4.8 Y&EC - FQAG

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7.0 Close out of "CIIR"

- 7.1 Responsible Contractor listed in Section B of the CIIR shall be required to complete the disposition and fill in Section C Items Through and forward to UE&C RCE.
- 7.1.1 If the disposition for a CIIR requires no further action or is being VOIDED, the responsible UE&C Field Engineer shall N/A Item 17,18 and 19 prior to issuing CIIR.
- 7.2 Upon receipt of the close-out of a CIIR, the RCE shall fill in section C, Item 20 noting the date and complete the CIIR log noting the close-out.
- 7.3 Close-out of CIIR's shall be distributed to all parties listed in Section B Item of the CIIR.

8.0 REVISED and/or VOIDED "CONTRACTOR INCIDENT INTERFACE"

- 8.1 Answered or unanswered "Contractor Incident Interface Reports" may be revised as necessary by the applicable Reporting Contractor to add, delete or change information on the "Contractor Incident Interface Report". These revisions shall be submitted in accordance with the applicable Reporting Contractors' procedures.
 (See Reference Documents)

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8.1.1 Answered "Contractor Incident Interface Report", revised by the reporting contractor shall be handled by UE&C Resident Construction Engineer in the same manner as the previous issue of the "Contractor Incident Interface Report".

8.2 UE&C Resident Construction Engineer may revise a disposition to an answered "Contractor Incident Interface Report" based on 1) receipt of a revised answered "Contractor Incident Interface Report" from the Reporting Contractor or 2) a change, deletion or addition to an answered "Contractor Incident Interface Report" becomes necessary.

8.2.1 These revisions will be noted by adding "Rev. 1, 2...etc." after the Contractor Incident Interface Report Number.

8.2.2 A change, deletion or addition by UE&C Resident Construction Engineer to an answered "Contractor Incident Interface Report" shall be so noted by a cloud around or vertical line next to the affected area.

8.2.3 A revised answer to a "Contractor Incident Interface Reports" shall be distributed in the same manner as the previous response.

8.3 An answered or unanswered "Contractor Incident Interface Report" may be voided by UE&C Resident Construction Engineer. The "Contractor



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Incident Interface Report" shall be marked void along with a brief explanation as to why "Contractor Incident Interface Report" was voided.

8.3.1 A voided "Contractor Incident Interface Report" shall be distributed in the same manner as an answered "Contractor Incident Interface Report" (Paragraph 6.4)

8.4 UE&C Resident Construction Engineer shall also maintain in his "Contractor Incident Interface Report" log the voiding and/or revising of any "Contractor Incident Interface Report".

9.0 CIIR Required to Document Contractor Internal Design Changes or Deficiencies

Note: This section is presently applicable only to General Electric and Westinghouse material.

9.1 Contractors may submit CIIR to delineate internal design changes or deficiencies for incomplete work for material procured within his parent company.

9.1.1 All requirements for Section A and Section B of the CIIR shall be followed.

9.1.2 Contractor shall fill in Section A of CIIR stating the problem and continue by filling in Section B giving the resolution, also.

9.1.3 Contractor shall then forward to UE&C who will give CIIR a number and log it and forward copies to those required by Paragraph 6.4 and additional personnel as applicable.

9.2 Close out of CIIR shall be as required by Paragraph 7.0.

10.0 QUALITY CONTROL

10.1 UE&C FSQA shall assure that Quality Assurance/Quality Control requirements for Civil Structural Safety-Related items noted on "Contractor Incident Interface Report" as delineated in UE&C QA manual are adhered to.

11.0 RECORDS

11.1 UE&C Resident Construction Engineer shall maintain a copy of all answered, revised and/or voided issues of "Contractor Incident Interface Reports" and submit them to the IMS in accordance with Reference 4.2.9.

[illegible]

Date Received _____

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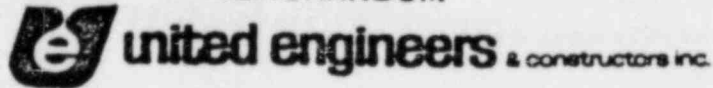
MAY 10 1982

JFA

D I S T R I B U T I O N

RA Curnane - 14U1
GE Sarsten - 14U9
TE Poliquin - 12U5
AM Ebner - 06U0
DH Rhoads - 06U0
RH Bryans - Site
DD Boyle - 06U9
GF McDonald, Jr. - YAEC
RA Rebel - Site
DC Lambert - Site
MP Hanson - Site
TP Vassallo - Site
RH Leonard - 14U5
BB Scott - 14U4
RH Mason - 14U4
DE McGarrigan - 14U6
RC Lesnefsky - 14U6
BC Low - 14U6
RJ Phelps - 14U6
Document Control Center - 06U1
QA File - 14U5

MEMORANDUM



Job No. 9763.006

OFFICE: Philadelphia

DEPT. Reliability & Quality Assurance

DATE: April 29, 1982 - File: 11.7.9

To: A. M. Ebner - 06U0

MM # 9085A

COPIES: See Distribution List

FROM: D. E. McGarrigan

SUBJECT: Public Service Company of New Hampshire
Quality Assurance Trend Report
January thru March, 1982

Attached is the Seabrook Project's Trend Report for January thru March, 1982. It consists of four sections: Site Defects, Site Contractor Defects, Vendor Defects and Audits.

Total Site Defects are measured in terms of "Defect Rate". The defect rate is the number of defects per 1000 construction manhours. The site defects are recorded from the Contractor's and UE&C Nonconformance Reports written against site activities.

Site Contractor Defects are measured in terms of the defect rate, expressed in defects per 1000 contractor manhours. The contractor defects are recorded from the Contractor's Nonconformance Reports against his site activities. A table has been added to this section to show the number of defects the site contractor issues against vendors. These defects do not show in the Vendor Defect portion of this report. Some of the site contractor's defects are taken from his nonconformance reports before the NCR has been processed by the Nonconformance Review Board.

Vendor Defects are measured in number of defects per month. The Vendor defects are recorded from UE&C's Site Receiving Inspection Nonconformance Reports and Vendor Notification Reports.

Audits is the actual count of Home Office audits open, closed and conducted per month.

The category "Outstanding Audits" has been divided into two (2) categories: "dormant" and "active". Dormant audits are those for which only verification of a corrective action is required to close out the audit; and active audits are those which do not fall into the dormant category (i.e. - audits that still require a response from the vendor, or where a vendor's response is still under evaluation by UE&C). The last category is now entitled "Average Age of Outstanding (Active) Audits in Months".

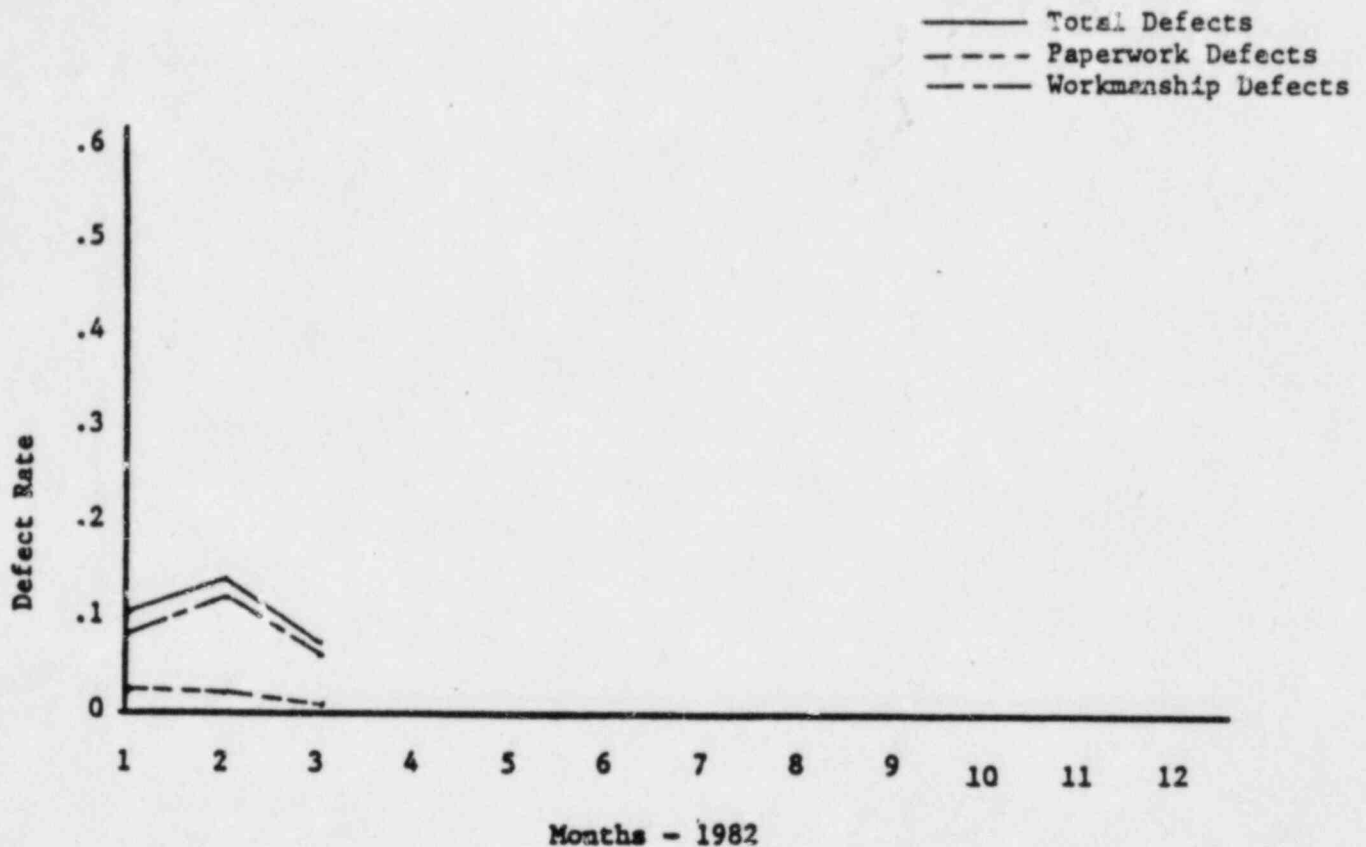
A handwritten signature in dark ink, appearing to read 'DEM' followed by a stylized surname.
D. E. McGarrigan

DEM/mc

S U M M A R Y

1. The site defect rate for the first quarter of 1982 continued at approximately the same level as the last four months of 1981.
2. There were no significant changes in the site defect rate for either Pullman or Perini.
3. The vendor related defects documented by site contractors continued the decreasing trend first observed in November 1981.
4. The number of vendor defects documented by nonconformance reports and Vendor Notification Reports continued an increasing trend experienced in the last half of 1981.
5. The number of outstanding UE&C nonconformance reports appears to have stabilized during the first quarter of 1982.
6. The number of Vendor Notification Reports issued continued a slight increasing trend noted in the last quarter of 1981.
7. The number of outstanding (active) audits remained at approximately the same level as the last quarter of 1981.

SITE DEFECT RATE



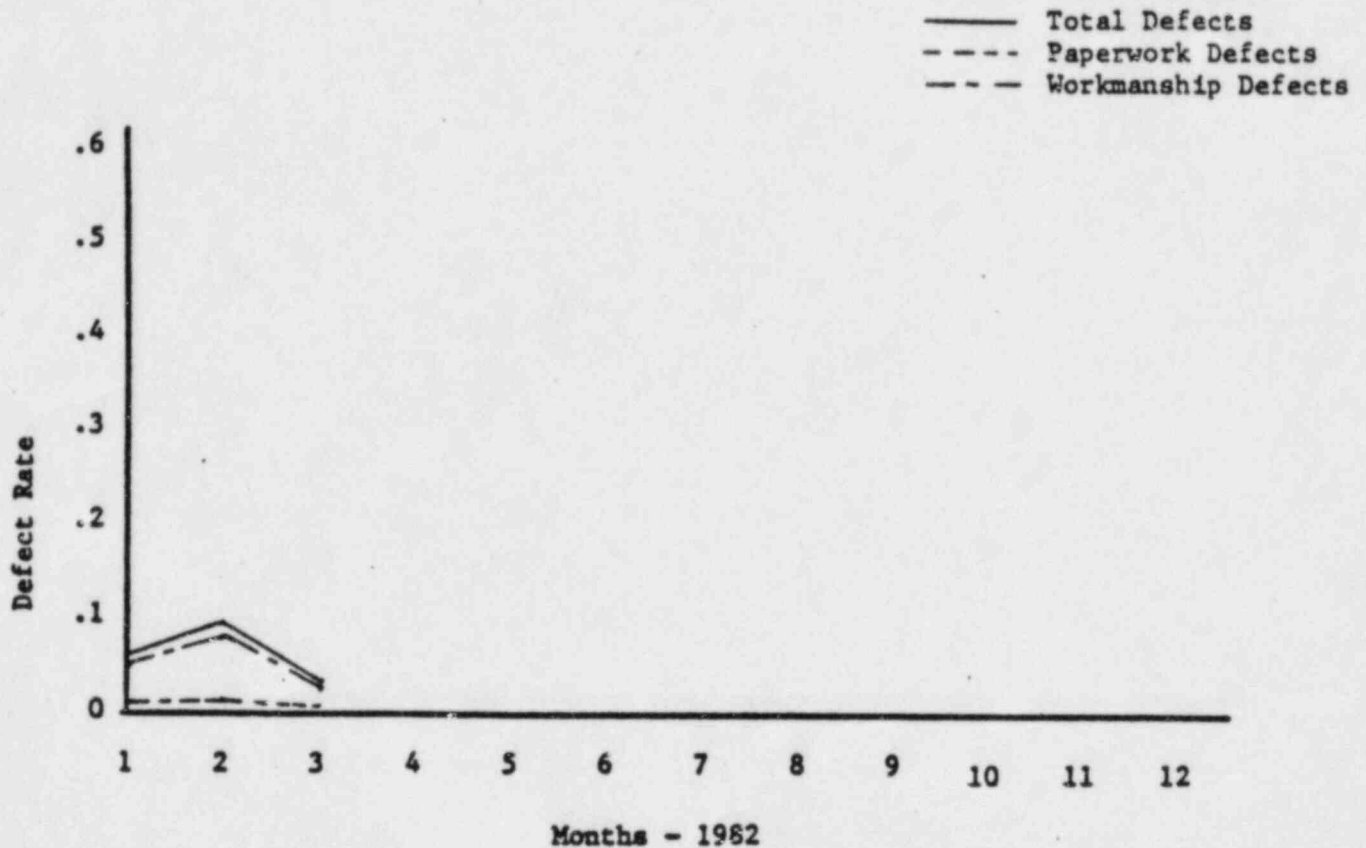
Months	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Site Defects	89	127	69									
Vendor Defects	61	72	67									
Total Defects	150	199	136									
MHR (1000)	825.6	885.5	943.4									
Site Defect- Rate	.11	.14	.073									

The above table gives the number of defect reports issued per month by the site contractors against their site activities and against vendors. The table also gives the construction activity manhours for the site contractors.

The site defect rate for the first quarter of 1982 continued at approximately the same level as the last four months of 1981. The proportion of paperwork defects to workmanship defects appears to be decreasing.

The number of vendor defects reported by site contractors continues to decrease as noted in the last quarter.

PERINI DEFECT RATE



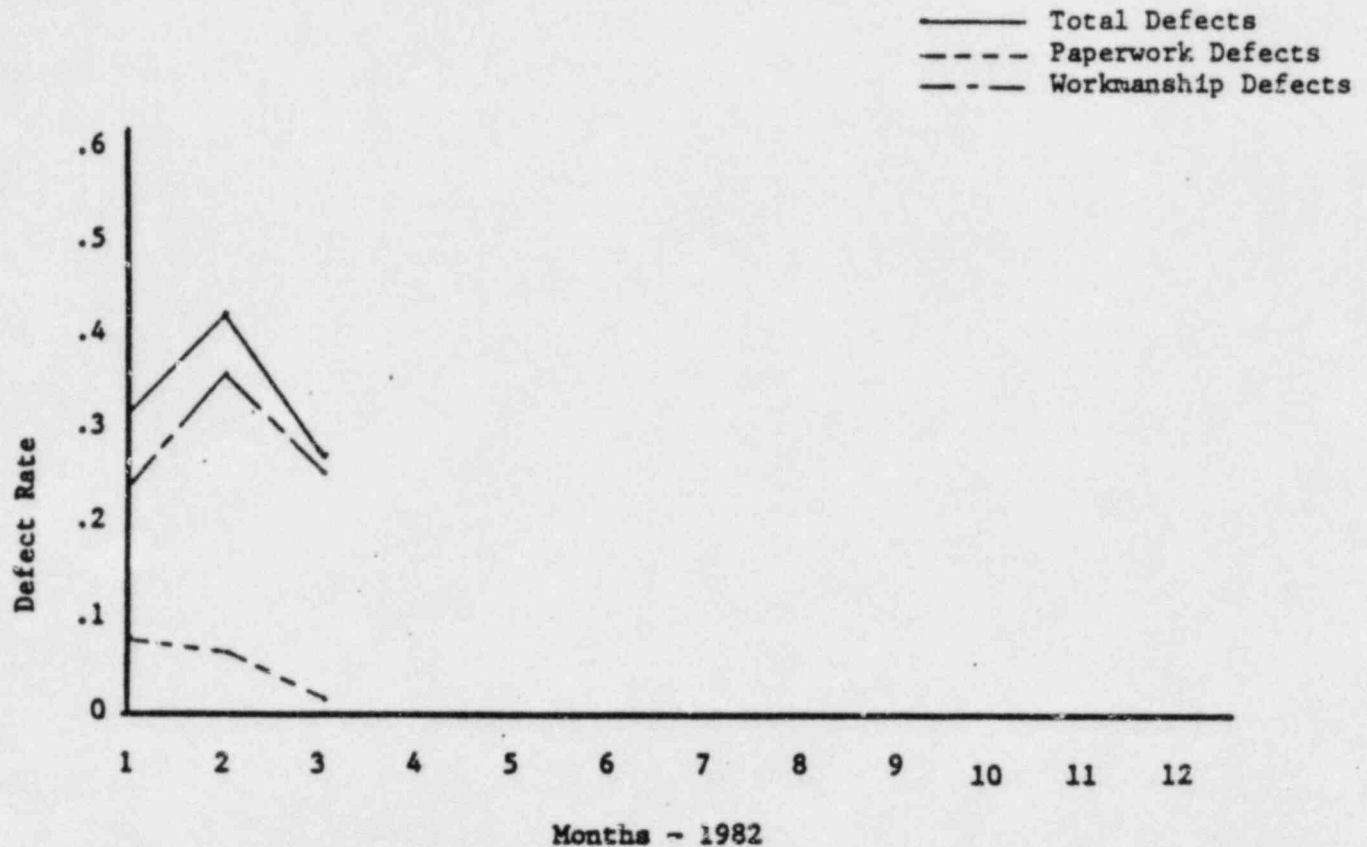
Months	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Site Defects	32	53	19									
Vendor Defects	18	25	19									
Total Defects	50	78	38									
MHR (1000)	529.7	580.5	614.2									
Perini Def. Rate	.06	.09	.03									

The above table gives the number of defects reports issued per month by Perini against his site activities and against vendors. The table also gives Perini's construction activity manhours per month.

There were no significant changes in the defect rate during the first quarter of 1982. The defect rate remains at about the same level as the last quarter of 1981.

The number of NCR's issued by Perini against vendors increased over the low level experienced in December but remained at a lower level than the remainder of 1981. The NCR's issued were mainly against Bethlehem Steel and Cives Steel with 10% issued against J.T. Ryerson.

PULLMAN DEFECT RATE



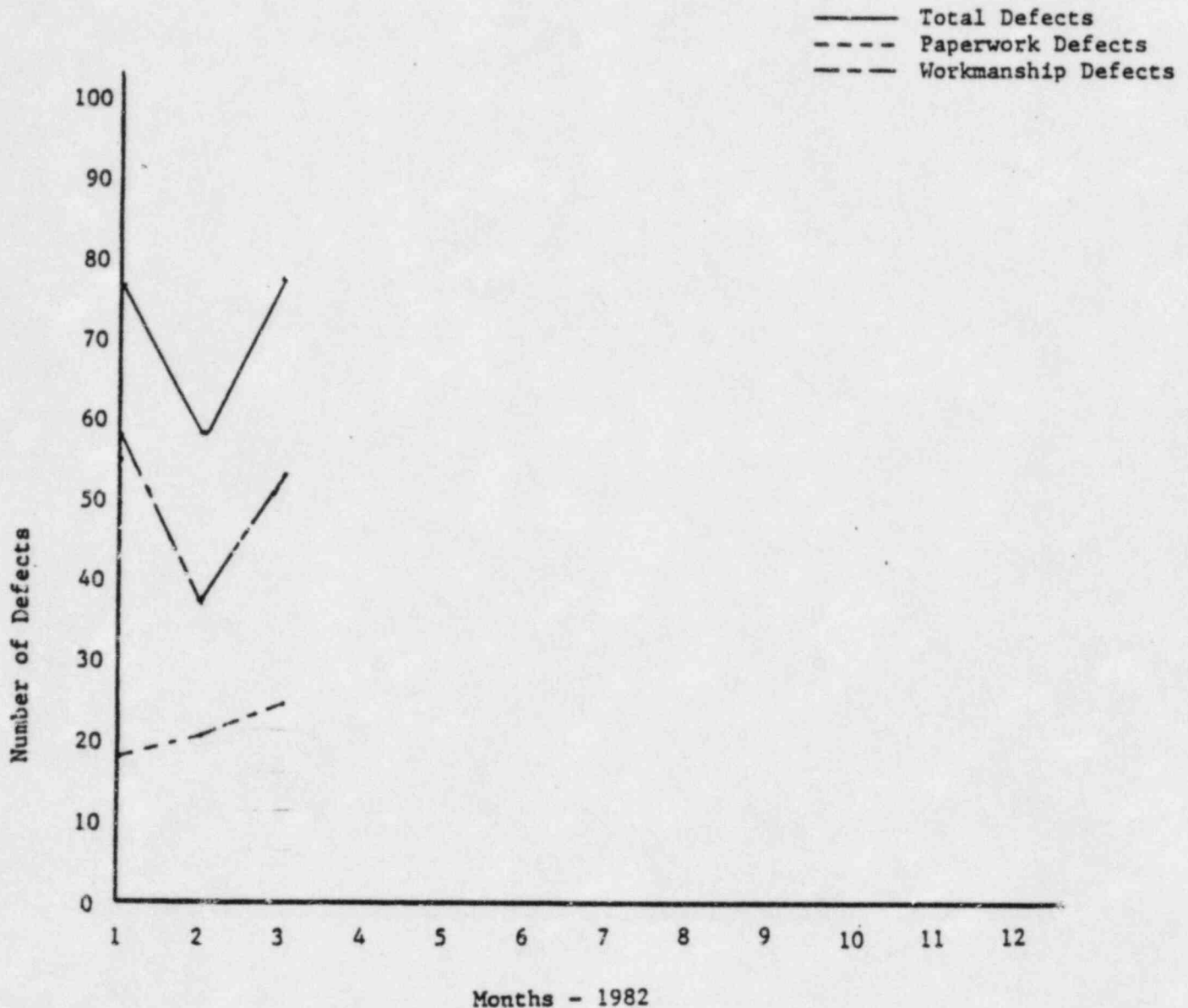
Months	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Site Defects	56	74	50									
Vendor Defects	43	47	48									
Total Defects	99	121	98									
MHR (1000)	174.6	173.9	188.0									
Pullman Def.Rate	.32	.42	.27									

The above table gives the number of defect reports issued by Pullman against his site activities and against vendors. The table also gives Pullman's construction activity manhours per month.

There were no significant changes in the defect rate for the first quarter of 1982. The defect rate increased over the low level observed in December but stayed at approximately the same level experienced during the last six months of 1981.

The majority of the vendor NCR's issued by Pullman are against Dravo, the piping fabricator. Approximately 10% of the NCR's were issued against Corner & Lada who supplies the fabricated pipe support. The remainder were divided among 25 other vendors.

VENDOR DEFECTS

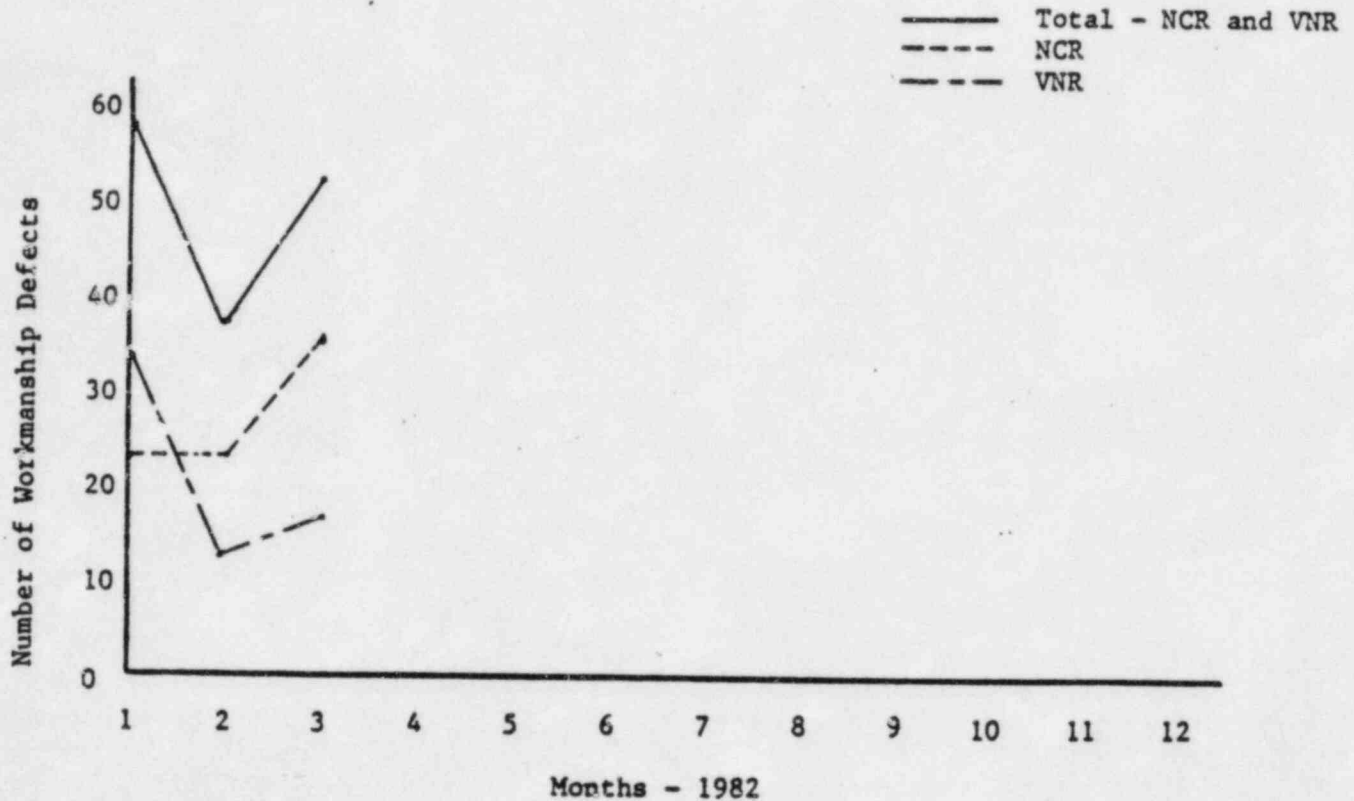


Vendor Defects

There was an average of 71 vendor defects per month during the first quarter of 1982, with a ratio of 30% paperwork defects to 70% workmanship defects, which was the same ratio as for the 1981 year.

Vendor Notification Reports were written against twenty-six suppliers by UE&C Vendor Surveillance while UE&C Receiving Inspection issued NCR's against fifty suppliers, including ten for field purchase orders.

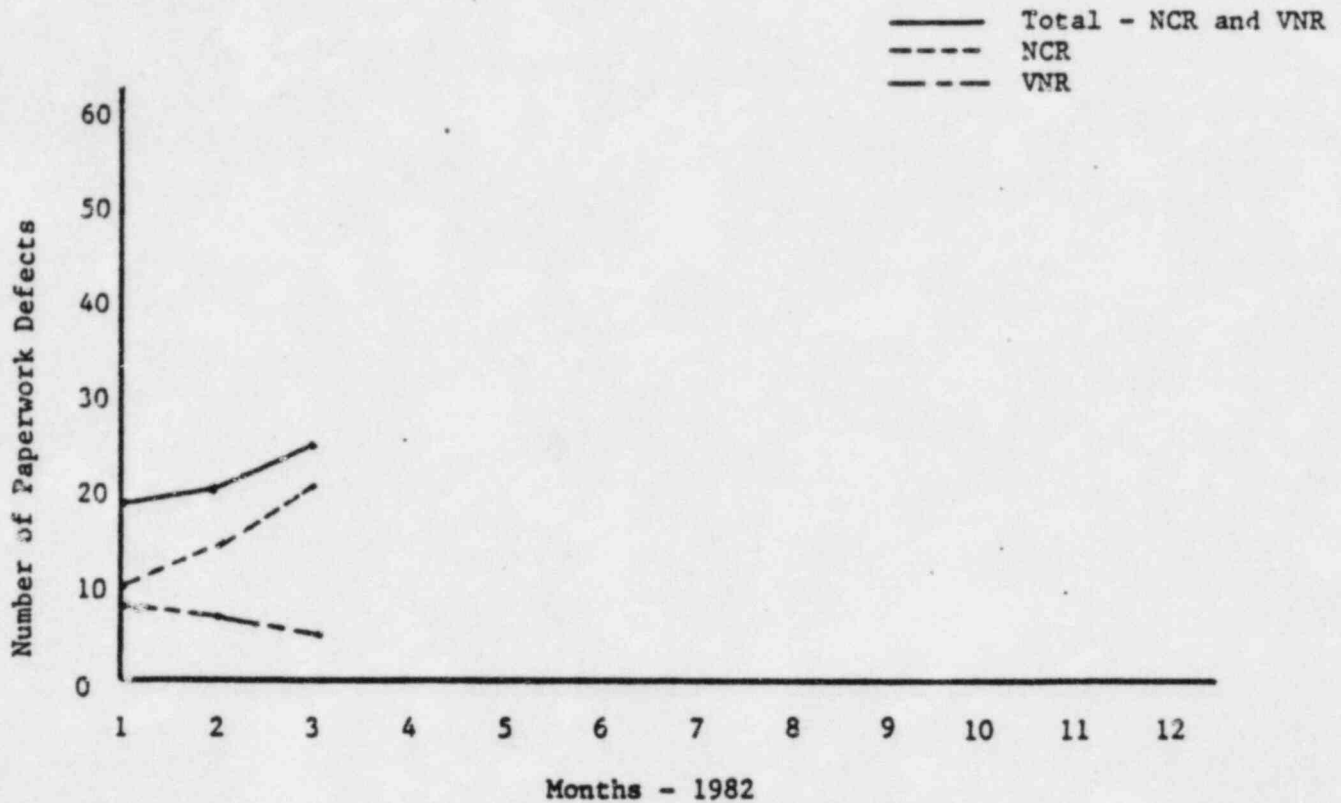
VENDOR WORKMANSHIP DEFECTS BY ISSUING DOCUMENT



Vendor Workmanship Defects

There was an average of 49 workmanship defects documented per month during the first quarter of 1982. 57% of the defects were documented by NCR's and 43% of the defects were on VNR's. Although there were large month to month variations a gradual increase since April 1981 in the number of workmanship defects is apparent.

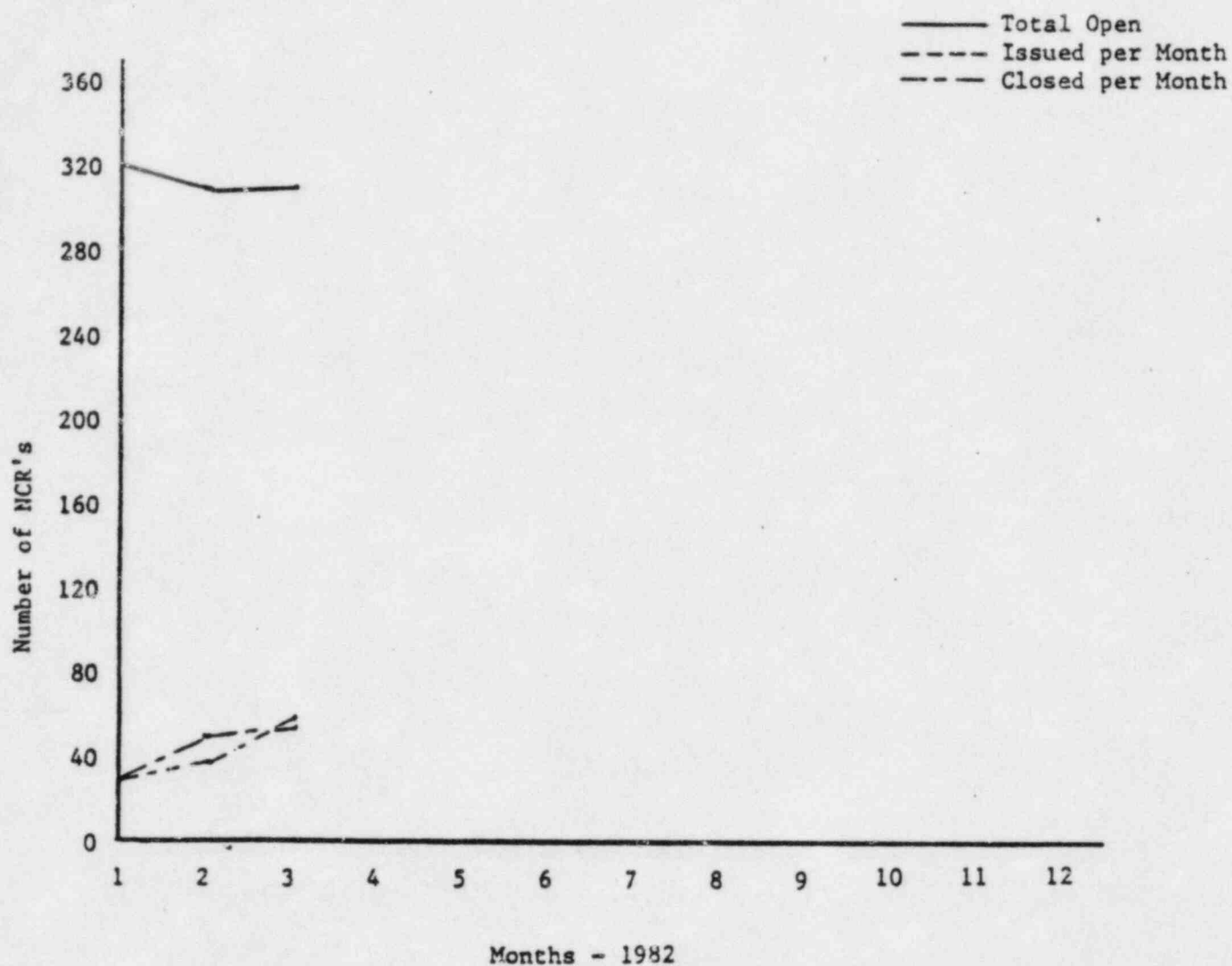
VENDOR PAPERWORK DEFECTS BY ISSUING DOCUMENT



Vendor Paperwork Defects

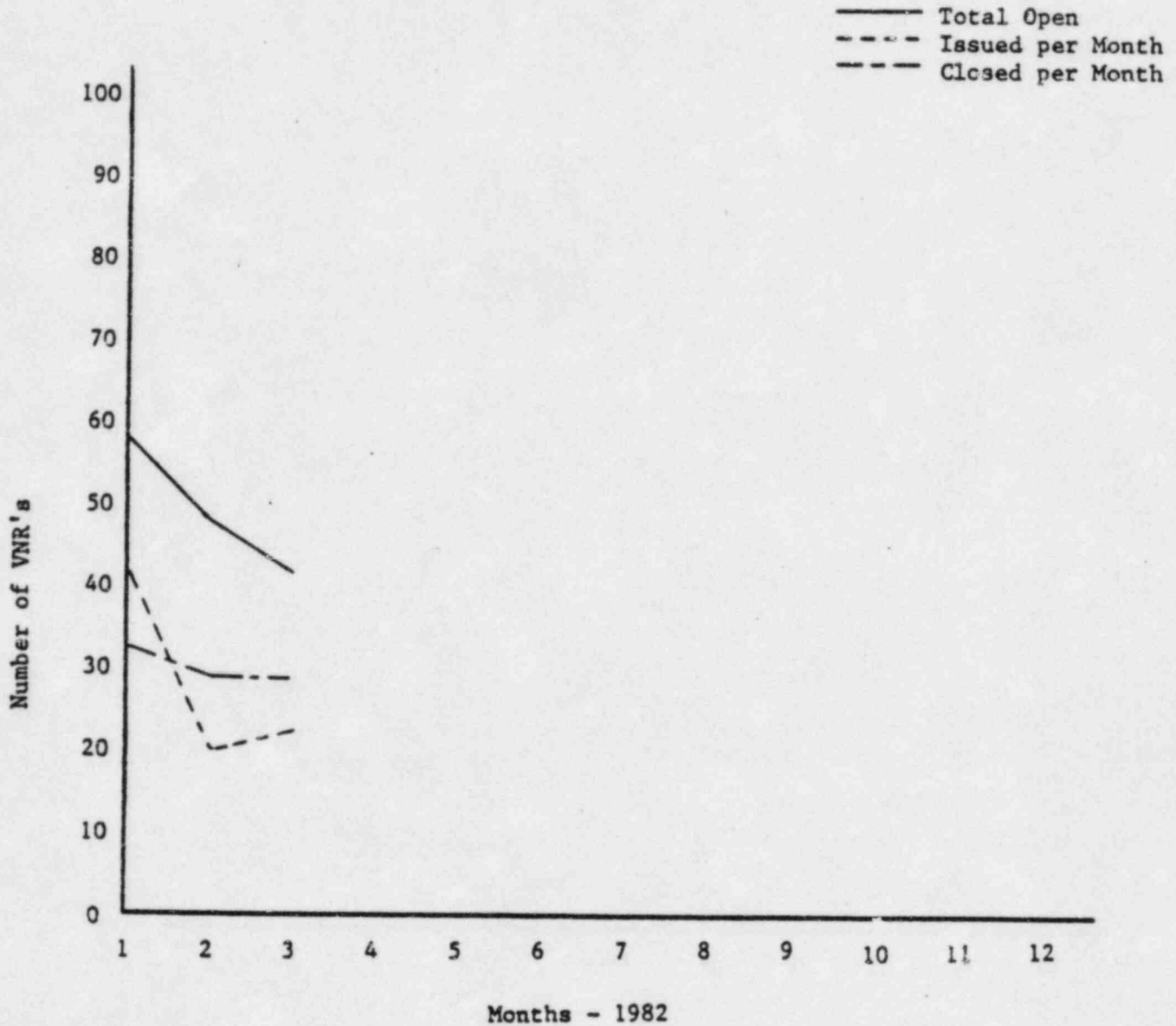
There was an average of 22 defects per month during the first quarter of 1982. 69% of the defects were documented by NCR's and 31% were documented on VNR's. Paperwork defects indicated an upward trend ending the quarter at a somewhat higher level than the 1981 average.

NONCONFORMANCE REPORTS



During the first quarter of 1982 there was an average of 50 UE&C nonconformance reports issued, 46 closed and 313 open per month. The level of open NCR's remained at approximately the same point as it was at the end of 1981, apparently stabilizing after increasing through the year of 1981.

VENDOR NOTIFICATION REPORTS

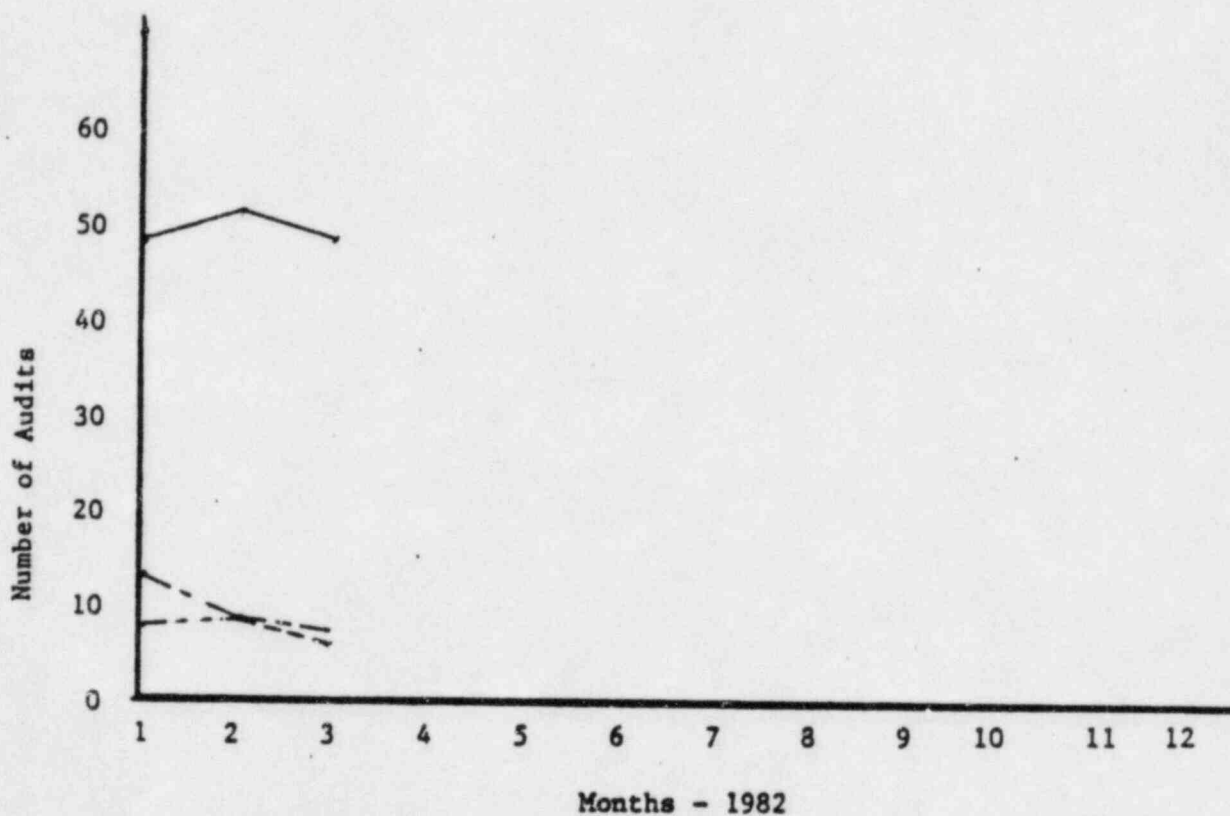


VNR's

During the first quarter of 1982 there was an average of 28 VNR's issued, 30 VNR's closed and 50 VNR's open per month. All numbers are slightly higher than the averages for 1981 though there is a downward trend in the number of open VNR's in the first quarter.

AUDITS

-----	Audits Outstanding
-----	Audits Conducted
-----	Audits Closed

[illegible]

Entrance Interview

1. Intro team:

Narraw - QA

Chadbury - Design Control

Finkel - Elect / Instr. Sys. } constr. control
Reynolds - Piping Sys. } procurement

Durr - Proj Mgmt

Harris / Petzer / Kerch

NDE

(Integrated task)

2. Purpose (A) Evaluate effectiveness of project mgmt by examining elements of:

QA, design, Constr Control, procure, & Proj mgmt.

(B) Independent measurements

- tests required & performed RT, HT, PT, UT, VI
- Ferrite
- profile of welds
- thickness
- metal analysis?
- documentation

3. Your View?

Entrance Interview

6/22/82

NAME	TITLE	REPRESENTING
J. W. SINGLETON	FQA MGR	YAEC
H. T. TRACY	DIR. OF CONSTRUCTION	YAEC
John DeVincentis	PROJECT MANAGER	YAEC
Wendell Johnson	VP	YAEC
D. G. McLain	Startup Manager	YAEC
S. R. SPODSKY	FQAE	YAEC
RICHARD P. PIZZUTI	CONST. MGR	YAEC
AM Ebner	Proj. Mgr	UEIC
D. H. RHOADS	PROJ. ENG. MGR	UEIC
F. W. Bean	FQAE	YAEC
Dennis L. Covill	FQAE	YAEC
J. F. Noy Jr.	FQAE	YAEC
D. E. McGARRIGAN	MGR - PROJ QA	UEIC
D. C. LAMBERT	FS-QA	UEIC
R. H. BRYANS	SITE ENG. MGR.	UEIC
S. K. CHAUDHARY	REACTOR ENG. Insp.	US-NRC
SAMUEL D. REYNOLDS, JR.	REACTOR Engng. Insp.	US-NRC
Lew NURROW	" " "	"
ALAN E. FINKEL	" " "	"
J. D. DAVE	Chief, H&PS	USNRC
B. Berlin		
J. H. HALEM	SITE MGR	FSNH/YAEC
J. F. McDole	QA MGR	YAEC
Dr. M. M. M. M.	EXEC. V.P.	FSNH