

ILLINOIS POWER COMPANY
RECOVERY PLAN
CORRECTIVE ACTION PROGRAM

REVISION 0

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Approved by: D. Hall

Vice President

I. BACKGROUND

The NRC has been concerned about the capability of Illinois Power Company to take adequate and lasting corrective action in response to identified quality issues (Reference: SALP II Report dated June 3, 1982).

II. OBJECTIVES

To evaluate the Corrective Action Program processes and resources to:

1. Identify Weaknesses
2. Improve Responsiveness

III. PLAN

- A. Corrective Action Program Evaluation
 - A.1 Corrective action program elements evaluation.
 - A.2 Corrective action program implementation evaluation with respect to:
 - adequate and lasting corrective action
 - action to enhance corrective action
 - managements' role
 - sequence of activities
 - resources
- B. Corrective Action Training Evaluation
- C. Trend Evaluation

III - CORRECTIVE ACTION PROGRAM EVALUATION

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III - A.1 CORRECTIVE ACTION PROGRAM ELEMENTS EVALUATION

The NRC has been concerned about the capability of Illinois Power and Baldwin Associates to consistently take adequate and lasting corrective action to identified quality issues. A review of IPC's and BA's corrective action programs indicates that each program contains the essential elements to meet the requirements of Criterion XVI - Corrective Action, 10CFR50 Appendix B. See III-A.1.1, IPC and BA Corrective Action Program Elements, for a listing of the IPC and BA procedures which address each of the Criterion XVI requirements.

III A.1.1 - IPC AND BA CORRECTIVE ACTION PROGRAM ELEMENTS

| <u>PROGRAM ELEMENT</u> | <u>IP CORRECTIVE ACTION PROGRAM</u> | <u>BA CORRECTIVE ACTION PROGRAM</u> |
|--|--|--|
| Stop Work Action | Management Guide 15-3, Stop Work Action QAI-202.01, Stop Work Action | BAP 1.6, Initiation of Stop Work Action QCI 102, Conduct of Inspections |
| CAR, CAR | Management Guide 16-2, Management Corrective Action Request QAP 116.07, Management Corrective Action Requests | BAP 1.1, Corrective Action |
| Audit | QAP's 118.01-.03 QA Audit Program QAP 118.07, Independent Audits of IPQA QAP 116.01, Corrective Action and Response to IPQA Audits | BQA 150, Quality Assurance Audits |
| Surveillance | QAP 118.05 & .06 QA Surveillance Program QAI 316.01, Identification, Tracking, and Closeout of Items of Concern | BQA 160, QA Program Evaluation BQA 170, Supplier Surveillance |
| NRC Inspection | QAP 116.02, Corrective Action and Response to NRC I.E. Inspections | BQA 150, Quality Assurance Audits |
| Nonconformances & Deviation Reports | Management Guide 16-3, Condition Report Management Guide 15-2, NCR Review Board Management Guide 15-2, Nonconforming Material Report QAP 116.08, CPS Condition Report QAP 115.02, Nonconforming Material Report | BAP 1.0, Nonconformances BAP 1.0.1, Deviation Reports |
| 10CFR50.55(e) | QAP 116.04, Reporting of Deficiencies | BAP 1.13, Potential 10CFR50.55(e)/ 10CFR21 Deficiencies |
| 10CFR21 | Management Guide 16-1, 10CFR21, Reporting of Defects and Noncompliances QAP 116.05, Evaluation and Reporting of Defects and Noncompliances | BAP 1.13, Potential 10CFR50.55(e)/ 10CFR21 Deficiencies |

III A.1.1 - IPC AND BA CORRECTIVE ACTION PROGRAM ELEMENTS (CONTINUED)

| <u>PROGRAM ELEMENT</u> | <u>IPC</u> | <u>BA</u> |
|------------------------|--|---|
| Reviews | <p>QAI 318.01, Monitoring Contractor & Vendor Surveillance Reports</p> <p>QAI 318.06, QA Notification Points</p> <p>QAI 404.01, Procurement Document Review</p> <p>QAI 407.01, QA Evaluation of Suppliers</p> <p>QAI 415.01, Review of Construction Nonconformances</p> <p>QAP 102.03, Evaluation of IPQA Programs</p> <p>QAP 102.06, CPS Commitment Compliance Evaluation</p> <p>QAP 116.06, QA Computerized Trending Program</p> | <p>BQA 121, Review of Bidders Responses</p> <p>BQA 122, Review of Requisitions and Purchase Orders</p> <p>BQA 131, Review & Evaluation of Suppliers QA Manuals</p> <p>BQA 132, Supplier's Facility Survey</p> <p>BQA 171, QA Review of Suppliers Procedures</p> <p>BQA 140, QA NCR Review</p> <p>BQA 140-1 QA DR Review</p> <p>BQAI 140-2, NCR/DR Computer Program</p> <p>BQAI 160-1, Instruction for Preparing and Processing Site Surveillance Report</p> <p>BQAI 160-2, QA Review of Piping Component Support Inspection Checklists</p> <p>BQAI 160-3, QA Review of Electrical Hanger</p> <p>BQAI 160-4, QA Review of Piping System FAB/Installation Walkdown Inspection Checklists</p> <p>BQAI 160-5, QA Review of Class 1E Cable Installation Inspection Checklists</p> <p>BQAI 160-6, QA Review of Class 1E Termination Inspection Checklists</p> |

NOTE: The detailing of elements of IPC and BA Corrective Action systems is not meant to be an exhaustive delineation of all components or to describe the interrelationship between the various elements. However, it does portray that the essential corrective action elements do exist.

III - A.2 CORRECTIVE ACTION PROGRAM IMPLEMENTATION EVALUATION

A review of a number of NRC Inspection and Enforcement, and IPC findings and concerns revealed the following items were responsible for an ineffective corrective action program implementation.

1. Causative factors and root cause were either not identified or properly addressed in the corrective action to prevent recurrence.
2. Personnel demonstrated a lack of understanding of quality assurance requirements (Appendix "B" and interrelationship of criteria).
3. Commitments were not implemented in a timely manner.
4. Although quality issues were identified early, they were not addressed in a timely manner.
5. Quality issues were not closed in a timely manner due to emphasis on new work rather completing old work associated with quality issues.

The following concerns and findings were reviewed:

| <u>FINDING OR CONCERN</u> | <u>DEFICIENCY IN ADDRESSING FINDING OR CONCERN</u> |
|---------------------------|--|
| NRC 80-27-01 | 1, 4 |
| 81-05-15 | 3 |
| 81-08-01 (MCAR-01) | 1, 2, 5 |
| 81-05-18, 19 | 3 |
| 81-20-03 | 1-5 |
| 81-24-01 (MCAR-03) | 3 |
| 80-10 (50.55(e)) | 3 |
| 81-25-06 | 1, 4 |
| 80-17-01 | 3, 4 |
| 81-06 (50.55 (e)) | 3 |
| IPC C-095 MCAR #1 | 1 |
| C-179 MCAR #1 | 1 |
| C-198 | 2 |
| C-183 | 1 |
| C-184 | 1, 2 |
| C-109 | 1, 3 |
| C-212 | 2 |

III - A.2.1 DISCUSSION OF ADEQUATE AND LASTING CORRECTIVE ACTION

The major area of concern with respect to the corrective action program is the effectiveness in consistently providing adequate remedial and generic action to identified quality issues. Weaknesses in remedial action are related to the 1) adequacy and 2) timeliness of responses and timely completion of commitments.

- 1) The adequacy of responses can be addressed by training of personnel who prepare responses and effective communication between initiators of issues and the respondents.
- 2) Timely dates for responding to issues have been used and dates for completion of commitments have been evaluated with respect to being timely. The key to consistent timeliness in addressing quality issues is the involvement of the proper levels of informed management to perform their function. Management needs to discretely assign accountability for actions and assure actions are implemented to meet established requirements. Additionally, when responsiveness is lacking, quality issues need to be directed promptly to a higher level of management for action.

The weaknesses in minimizing the recurrence of an adverse condition is related to the identification of the root cause(s) and the adequacy of the measures taken to prevent recurrence.

Two basic approaches are necessary to address these weaknesses; first, personnel who investigate and identify causative factors should receive training in this area and, secondly, to assist in the identification of causes, management needs to assign specific accountability for actions. Accountability includes the responsibility and attendant authority required to resolve quality issues.

Additionally, the classification of issues with respect to severity and software/hardware needs to be addressed. To assure that the appropriate level of action is taken with respect to issues, management needs to know if a software or hardware problem exists and the severity of the problem. These classifications have occurred in practice, however, existing programs need to be enhanced to assure consistency in the information provided to management for making decisions.

To address the aforementioned concerns, specific actions have been or will be taken and are included in Section III-A.2.2 Action to Enhance Corrective Action.

III-A.2.2 ACTION TO ENHANCE CORRECTIVE ACTION

A. Communication

1. At exit interviews or prior to issuance of surveillance findings, MCARs, CARs, or Stop Work Actions, there should be a clear understanding of the issues with respect to severity, scope and applicability. Additionally, personnel accountable for actions to resolve issues should be involved.
2. To avoid a delay in the response cycle, accountable respondents need to informally review proposed responses with initiators to assure adequacy of remedial action, identification of root causes(s), and timeliness of commitments. This approach should substantially reduce the likelihood of unacceptable responses.

ACTION: To increase the effectiveness of communication as related to corrective action, items 1 & 2 above need to be expressed as project policies.

B. Training

ACTION: To increase the effectiveness of personnel who are accountable for initiating or responding to quality issues, they shall receive formal training in the applicable aspects of corrective action (e.g., remedial action, identification of root causes, documentation, timeliness). See Section III-B, Corrective Action Training Evaluation.

C. Accountability and Management Action

ACTION: To assure timeliness in response to issues and completion of commitments, Management Guide 16-4, Corrective Action, has been issued and provides for (1) the specific assignment of accountability for actions to resolve issues and (2) the prompt escalation of the issues to a higher level of management for resolution when responsiveness is lacking. Additionally, "timeliness" in providing corrective action has been defined in terms of a severity level of the condition.

D. Classification of Quality Issues

ACTION: Management Guide 16-4 requires the establishment of priorities with respect to the severity of quality issues to enhance management's effectiveness in resolving them.

III-A.2.2 ACTION TO ENHANCE CORRECTIVE ACTION
(Continued)

E. Nonconformance and Deviation Report Processing

ACTION: To expedite the processing of NCRs and DRs and to provide a more timely corrective action, BAQA should determine if corrective action is required to preclude recurrence. If corrective action is determined to be required, BAQA should issue a document to track the corrective action in all cases. This would separate the corrective action from the NCR/DR to preclude recurrence and expedite processing of the NCR/DR.

F. The following additional actions have been taken or are in-process to enhance corrective action:

ACTION: A Corrective Action Task Force was organized in December, 1982 to prepare Management Guide 16-4, Rev. 0, Corrective Action, and to implement the requirements of this Management Guide throughout the BA and IPC site procedures. Additionally, uniform and site-wide tracking and trending programs are being developed. A Corrective Action Program schedule (two (2) pages) is attached outlining the details of the implementation plan.

IP QA in-line approval of NCRs.

BA QA approval of DRs with additional emphasis on review for adequate corrective action.

IP QA monthly surveillance of DRs to assess adequacy of content, disposition, and corrective action.

IP QA trending of IP audit and surveillance findings.

Additional emphasis on BA trending of NCRs, DRs, electrical hanger checklists, pipe hanger checklists, piping system walkdown checklists and associated corrective actions.

Established a Management Corrective Action Request (MCAR) System to provide visibility to management and assure immediate corrective action is taken to resolve important conditions adverse to quality.

IP QA review and approval of Baldwin Associates procedures/instructions.

III-A.2.2 ACTION TO ENHANCE CORRECTIVE ACTION
(Continued)

Increased staffing in IP and BA Project Management and Quality organizations to address corrective action needs.

Reorganization of IP QA Department to be more functional and relocation of entire staff to site.

Organizational changes were made that provided for the Director-QA reporting directly to the Executive Vice-President responsible for QA. Subsequently, a change was made whereby the Manager-QA now reports to a Vice President responsible for QA.

III - A.2.3 MANagements Role In Corrective Action

To enhance management's role in the corrective action process, they must (1) be provided the necessary information to address and resolve quality issues and (2) establish systems to delineate accountability for issues.

Information Systems

ACTION: IP Quality Assurance will supervise a "Project Open Corrective Action Response Summary" similar to the Corrective Action Recovery Team's Summary which will provide a concise monthly report directing managements attention to adverse trends. This report contains a summary of open corrective action items by type, responsible organization, graphical representations of data, and a matrix containing a detailed status including responsible implementing organization and an assigned priority. This Summary will be modified to provide for Severity Levels and to include Condition Reports and Nonconforming Material Reports. The "Open Corrective Action Response Summary" is included in this section for reference. Additionally, IPQA will periodically evaluate the effectiveness of each organization's responsibility in addressing quality issues and provide this information to the appropriate level of management.

Accountability

ACTION: A project directive was issued (Management Guide 16-4) directing management to assign accountability within their organization to assure that responsibilities and authorities are clearly delineated for the corrective action. Effective accountability systems are being developed to provide for early detection of adverse trends and provide feedback to correct issues to prevent deterioration of an issue to a major concern.

Priorities

ACTION: Management Guide 16-4 directs management to establish priorities for action with respect to the severity of issues and to allocate resources to achieve timely resolution of issues. Resources will be allocated to resolve high priority issues first when allocating of resources becomes a restraint.

Stop Work Action

ACTION: Stop Work action has been used when prompt and adequate corrective action has not been completed in a responsive manner. Stop work action has seen increased usage and is probably the most effective in achieving the desired responsiveness.

III - A.2.4 SEQUENCE OF CORRECTIVE ACTION ACTIVITIES

1. To expedite the flow of NRC or IPC concerns and findings pertaining to Baldwin Associates and its subcontractors, a copy of the concern or finding is being sent directly to the BA Senior QA Audit Engineer who issues the item to the action addressee. The past practice was for these concerns and findings to flow through the BAQA Manager prior to going to the Senior QA Audit Engineer. See letters Y-13655 and Y-12198. References: QAP-116.02, QAP-118.03, and QAP-118.05.
2. The sequence of activities associated with corrective action activities are basically sound. The implementation of these activities must be improved. Improvement will be realized if the recommendations indicated in this plan are approved.

A.2.5 RESOURCE EVALUATION

The staffs of the IP and BA Quality organization, BA Project Engineering, and IP Clinton Project Management Compliance have been increased as follows:

| <u>ORGANIZATION</u> | <u>STAFFING</u> | <u>AUTHORIZED POSITIONS</u> | <u>STAFFING</u> |
|---------------------------|-----------------|---------------------------------|-----------------|
| | 3-1-82 | 1-1-83 | 1-1-83 |
| IPQA | 33 | 141 | 126 |
| IP Project Compliance | 1 | 2 | 2 |
| BA Q & TS | 142 | 322 | 313 |
| BA Project Engineering | 3 | 13 | 13 |

The increased staffing should improve the project's effectiveness in the early detection of problems and providing adequate and lasting corrective action. To emphasize the early detection of problems, the number of audits and surveillances have been increased. This increase may obscure improvement in the project's effectiveness in providing adequate and lasting corrective action due to the initial effect of identifying existing problems.

The implementation of the recommendations in this Plan, along with project management's periodic review of trends should provide the insight necessary to assure that appropriate staffing levels are maintained.

III - B CORRECTIVE ACTION TRAINING EVALUATION

- A. Formal training has not been provided to personnel who prepare corrective action responses or track corrective action commitments. Therefore, Management Guide 16-4, Corrective Action, was issued to provide consistency between the project organizations when addressing corrective action to identified quality issues and include a requirement that IPQA provide training to project personnel who prepare responses and track commitments. This training shall include:
 - 1. adequacy of responses including the identification of root cause(s) to prevent recurrence.
 - 2. investigation of the adverse condition should be expanded beyond the items identified when a significant quality issue is involved or when the adverse condition is not an isolated instance.
 - 3. adequacy of documenting corrective action taken.
 - 4. timely response, implementation and closure.
- B. Training required as a part of corrective action shall be a specific lesson plan that focuses on correcting the deficiency(s) in question and addresses the causative factors to preclude recurrence. Management will be involved in this training to show support for the corrective action and to add emphasis on the need to prevent recurrence.
- C. Corrective action programs shall include feedback to orientation, indoctrination, and on-going training when adverse trends are noted. Corrective action procedures/instructions will include this requirement.
- D. To lessen the likelihood of deficiencies occurring, project orientation, organization indoctrination, and on-going training shall emphasize doing things right the first time.

III - C TREND EVALUATION

A review of BA trending programs, ie., BQAI 140-2, 160-1, 2, 3, 4, 5, and 6 resulted in the following action items:

1. The scope of the trending program is being increased to include internal audit findings, site surveillance report findings, and ARRs. ARRs include NRC concerns and findings, IPC QA audit and surveillance report findings, and ANI/ASME FINDINGS.

BAQA Instruction 160-7, Rev. 0 which includes trending of the above items is presently in the review and approval cycle.

2. Other inspection checklists such as instrument piping and hangers, cable tray and attachments, mechanical equipment, and conduit should be trended to provide feedback to management for appropriate action.
3. The trending program is not current. Because of the lag in the program and the additional trend items noted above, BAQA should evaluate manpower requirements for maintaining a current program.

A review of the IPC trending program, Procedure QAP-116.06, QA Computerized Trending Program, resulted in the following observations:

1. This program basically trends NRC and IPC initiated findings and concerns.
2. Condition Reports (CRs), and Nonconforming Material Reports (NCMRs) will be trended by IPQA in addition to those documents already within the scope of the trending program.

To provide a project perspective of adverse trends, the IP and BA trending programs will be merged into a common data base using standard Condition Codes and providing project trend reports to the various management functions.

To assist management, identified quality issues are being trended to measure the progress in closing these issues. The Open Corrective Action Response Summary provides a project perspective of the progress in closing quality issues.

CORRECTIVE ACTION RECOVERY TEAM

OPEN CORRECTIVE ACTION RESPONSE SUMMARY

AS OF

December 17, 1982

ILLINOIS POWER/BALDWIN ASSOCIATES QUALITY ASSURANCE

STOP WORK ACTIONS

Total Open - 11

Responsible for Action:

CPS Recovery Teams

Electrical

-4

Mechanical

-3

Civil

-1

Illinois Power CPM

-1

Illinois Power QA/UST Co.

-1

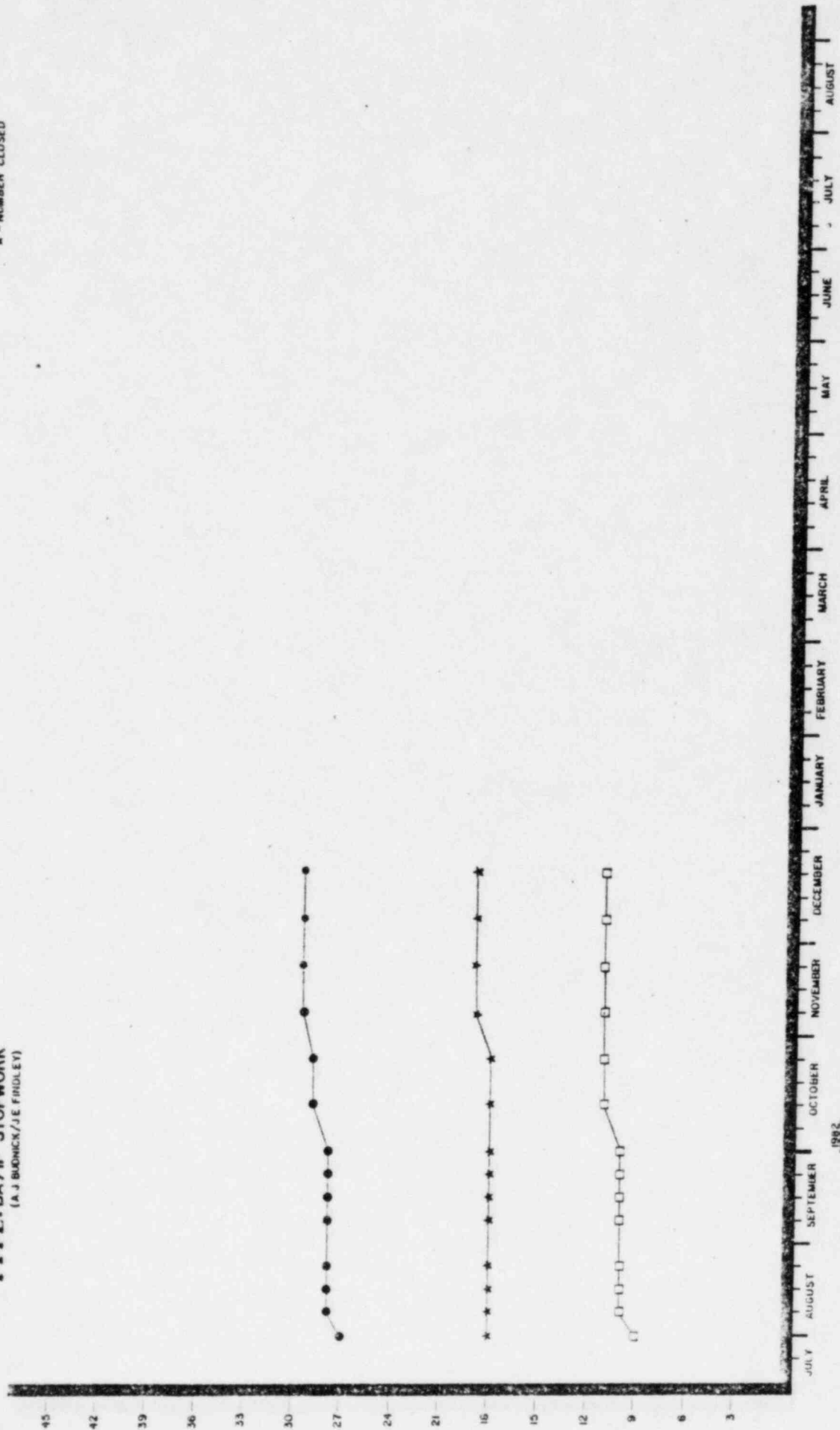
Sargent & Lundy

-1

Open Corrective Action Response Summary

- - ACCUMULATIVE TOTAL
- - NUMBER OPEN
- * - NUMBER CLOSED

TYPE: BA/IP STOPWORK
(A J BUONICK/J E FINDLEY)



CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|--------------|----------|--|------------------------------|---|------------------------------|----------------|
| 007 | 1a | Installation of Cable Tray & Tray Attachments | MCAR #03 CAR 073 | Being addressed as part of IPs Recovery Plan - Electrical Working on Phase I; 144 out of 151 travelers complete. Mat- erial tracability problems. | (Elect. Recovery Team) | |
| 010 Rev.2 | 1a | Drywell Refueling Bellows | K-2893 ECN #3075, 3084 | UT examination completed and being evaluated by S&L. | (S&L) | |
| 014 | 1a | Zack - All Safety Related Work | | Being addressed as part of IPs Recovery Plan - Mechanical HVAC. | (Mech Recovery Team) | |
| 015 | 1a | Integral Attachment (Welded) Hangers Classified Seismic | | Being addressed as part of IPs Recovery Plan - Mechanical HVAC. | (Mech Recovery Team) | |

SWA

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

2 OF 3

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|---------------|----------|--|----------------------------------|--|----------------------|-------------|
| 016 Rev. 2 | 1a | All Conduit Installation except lighting & Communications. | | Being addressed as part of IPs Recovery Plan - Electrical. Phase I. complete, Phase II ready to be worked. | (Elec Recovery Team) | |
| 017 | 1a | Electrical Equip. Installation | I-195 | Being addressed as part of IPs- Recovery Plan - Electrical Pending closure of I-195. | (Elec Recovery Team) | |
| 018 | 1a | Electrical Instru. Installation | I-214 Car 094 55(e)82-08 | Being addressed as part of IPs Recovery Plan - Electrical. Pending Q & TS action to re-define scope of SWA. | (Elec Recovery Team) | |
| 019 Rev. 1 | 1a | Containment Structural Steel Installation | MCAR-002 BAP 3.1.2 QCI 203 | Being addressed as part of IPs Recovery Plan - Civil/Structural. Limited work resumption granted 9-16-82 and confirmed per NRC letter dated 9-22-82. Additional release granted 12-17-82 by NRC. | (C/S Recovery Team) | |

SWA

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

3 OF 3

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|---------------|----------|---|------------------|--|----------------------------|----------------|
| 020 Rev. 1 | 1a | Non-safety Seismic - HVAC | | Being addressed as part of IPs Recovery Plan - Mechanical HVAC Revised to include all HVAC work. | (Mech Recovery Team) | |
| ----- | 1b | IPC Procurement | IPQA# Y-11894 | Being addressed by IP Procure- ment Stop Work Coordinator. | (IPCPM) | |
| ----- | 1a | Overinspection | | Response to NRC CAL of 10-06-82 provided to NRC on 11-8-82. Partial release granted 12-3-82. | (IPOA) | |
| 021 | | H.H. Robertson- Testing of Secondary Containment | K-2950 | Closed/CA to be completed pending training. Training completed. | | 11-4-82. |

ILLINOIS POWER QUALITY ASSURANCE SURVEILLANCE
OF
BALDWIN ASSOCIATES
Total Open - 33

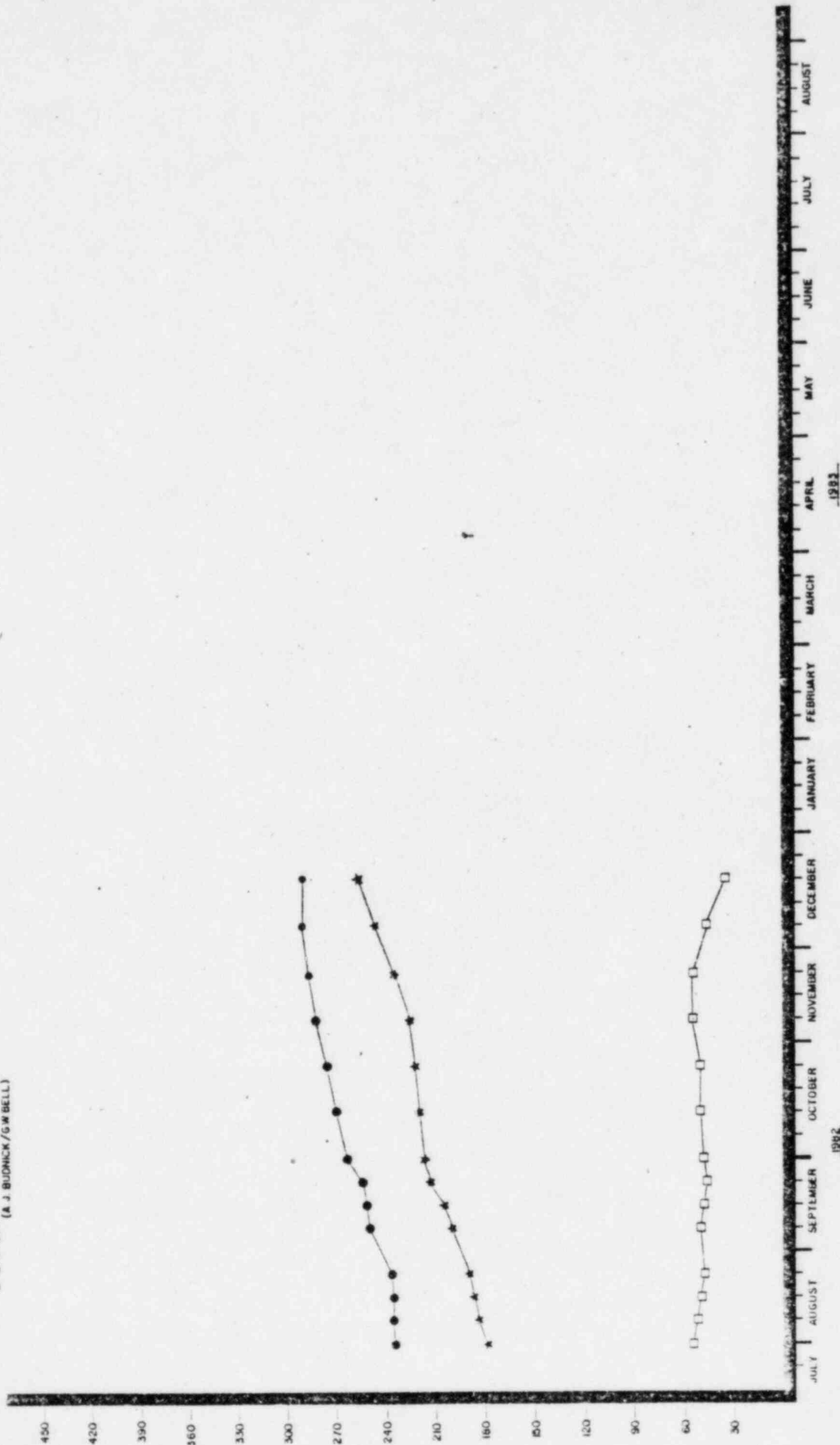
Responsible for Action:

| | | |
|---|----|-----|
| Baldwin Associates Quality & Technical Services | | -15 |
| Quality Control | -8 | |
| Quality Assurance | -7 | |
| Technical Services | -0 | |
| Training | -0 | |
| Baldwin Associates Project Engineering | | -8 |
| Illinois Power Quality Assurance | | -6 |
| Other | | -4 |

Open Corrective Action Response Summary

● - ACCUMULATIVE TOTAL
 () - NUMBER OPEN
 * - NUMBER CLOSED

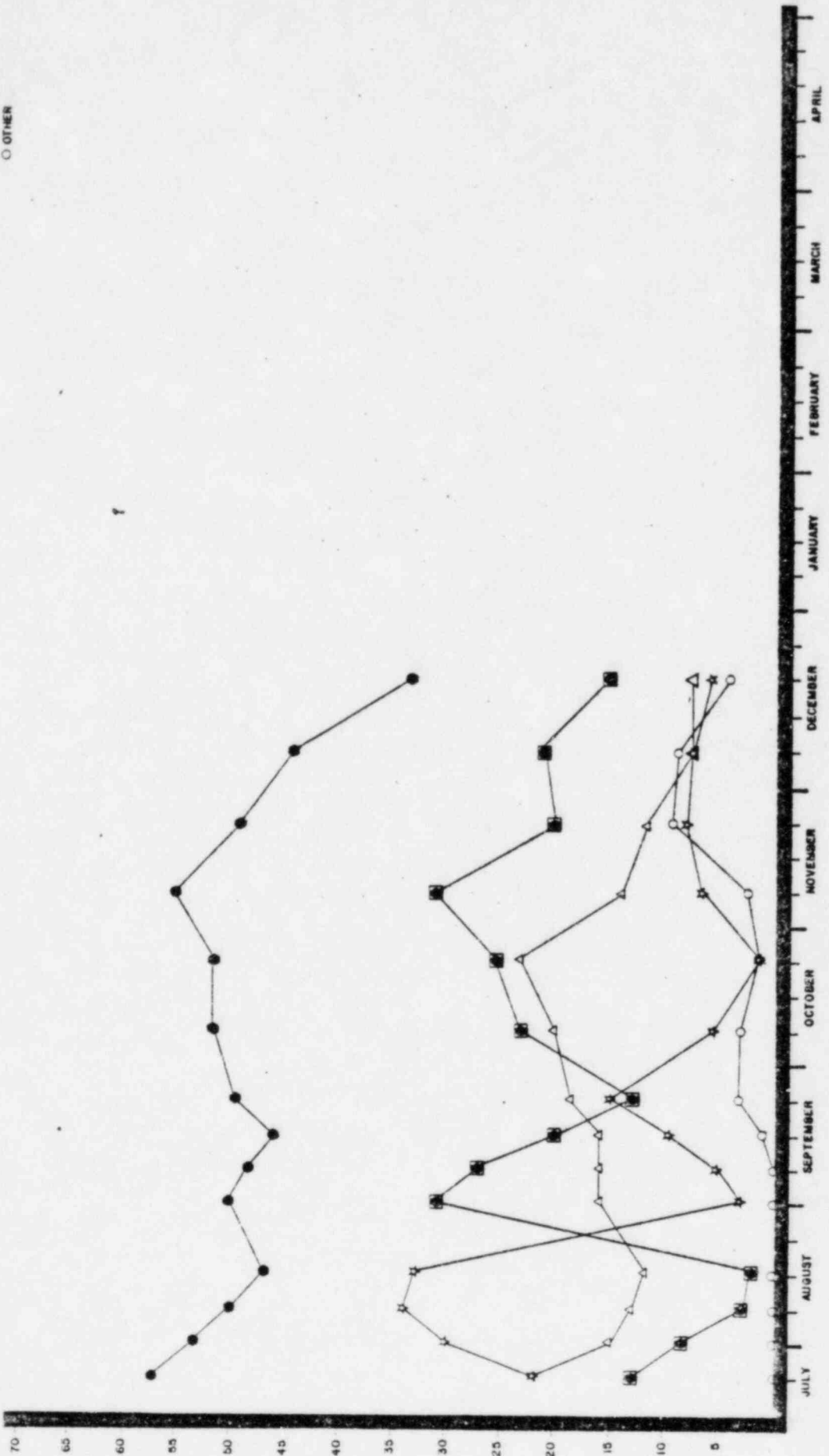
TYPE: IP SURV. OF BA
 (A J BUDNICK / G W BELL)



Open Corrective Action Response Summary (Responsibility)

- TOTAL OPEN
- Q & TS (FINDLEY)
- △ BAPE (SWIFT)
- ☆ IPQA (BELL)
- OTHER

TYPE: IP/SRVL OF BA



CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

1 OF 12

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|--|-------------------------------------|--|------------|-------------|
| C-013 | 1a | BAQC- Certificate of compliance by BA Vendors | NCR 6599 ARR 267-1 | C/A incomplete-refer to Quality Review Meeting Item #81-9/4 NRC #81-05-17. Meeting to be held to resolve issue. | (BAQA) | |
| C-172 | | Safety related cables | NCR-6601 ARR 458 BAP 3.3.2 | Closed. | | 12-17-82 |
| C-173 | 1a | BAPE- Cable protection | SW-007 NCR-6602 ARR 460-2 | Pending verification-C/A due 8/20/82 pending completion of BAP 3.3.2 and E-010. Extension of C/A date to 10-1-82 granted by IPQA. Extension to 10-20-82 re- quested but denied by IPQA. BAPE responded 10-20-82 PHM-094-82. Training complete. NCR 6602 pending BAQC action. | (BAQC) | |
| C-179 | 1a | BAPE- Protection of equipment | MCAR #001 BAP 2.4 ARR 461/464 | Pending evaluation/pending closure of MCAR #001. BA responded WJH-154-82. | (IPQA/ | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|-----------------------------|---------------------------------|--|---------------|----------------|
| C-184 | | BAPE- Temporary cables | SW-007 ARR 472 BAP 3.3.2 | Closed. | | 12-17-82 |
| C-185 | 1a | BAPE- Cable installation | SW-007 NCR 6604 BAP 3.3.2 | Pending evaluation/verification (BAPE) of adequate closure of NCR 6604. C/A due 8/16/82. Pending completion of BAP 3.3.2; Memo HJH-023-82 requested C/A completion 10/1/82; Extension granted by IPQA. BAPE responded on HJH-034-82 C/A incomplete. BA responded 10-20-82 MWM-012-82. Training complete. NCR 6604 pending BA electrical action. | | |
| C-195 | | BAQC- Dev. tag control | ARR 488 BAP 1.0.1 | Closed. | | 12-14-82 |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

3 OF 12

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|----------------------------|---------------------------------|---|---------------|----------------|
| C-209 | 2 | ZACK CO. QAI #1, Rev. 0 | 50.55(e) 81-04 A.R 514 | Pending verification C/A due 8/20/82 Awaiting Zack QAI #1, Rev. 0 approval. Response to IPOA 8-14-82. Extension of C/A due date to 11/1/82 granted by IPOA. impacted by HVAC stop work. ZACK QAM approved. BAPE responded 10-7-82 for closure; MC-005-82. Interim response received by IPQA on 10-12-82. Pending ZACK procedure submittals/approvals. Updated status to be provided by BAPE 12-15-82 per MG-011. BAPE responded 12-17-82; C/A to be completed 1-31-83. | (BAPE/BAOA) | |
| C-211 | 1b | BAPE- Fire Protection | SW-017 NCR 6612 ARR 511-1 | Pending Verification - Pending response due 8/14/82. Pending adequate closure of NCR 6612 BAPE responded 8/13/82, reques- ted extension to 10/1/82 on PHM- 074-82; granted by IPOA. Response of 9-28-82 requested extension to 1-20-83; denied by IPOA. To be completed 90 days after lifting of SW-017. | (BAPE) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|---------------------------|-------------------|--|------------|-------------|
| C-213 | | BAPE- Cable Supports | SW-007 ARR 515 | Closed. | | 12-17-82 |
| C-214 | 2 | BAQA- DRC Traceability | ARR 540 | Delinquent-C/A re-response due 7/2/82. Pending IPOA verification C/A due 1/15/83. | (BAQA) | |
| C-216 | 2 | ZACK Fins | ARR 539 | Revised C/A completion date due 7/30/82. Pending verification C/A due 8/30/82. Proposed C/A not completed at time of verification; IPQA requested additional information by 9/20/82. Extension to 11-1-82 granted by IPQA; impacted by HVAC stop work. BAPE responded 11-1-82, MG008, Rev. 1, C/A completion due 11-15-82. BAPE responded 11-16-82, MG010, indicating C/A not completed and additional status to be provided 12-15-82. BAPE responded 12-17-82; C/A to be completed 1-31-83. | (BAPE) | |
| C-224 | | BAQC- NCR Tags | ARR 547 | Closed. | | 12-14-82 |

CORRECTIVE ACTION MATRIX
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| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|--|-----------------------------|--|---------------|----------------|
| C-232 | 2 | MCC Powers | ARR 563/610 | Pending IPQA evaluation; Pending Verification, C/A due 10/30/82. BAPE responded 11-1-82 requesting extension C/A to 12-31-82, granted. | (BAPE) | |
| C-247 | 1b | BAQA- Inadequate internal audit follow-up | I-190 ARR 587 CAR 106 | Pending IPQA evaluation; BAQA closed 7/22/82. Proposed C/A evaluated as inadequate; Additional response required by 9/17/82. Response received 9-24-82; pending IPQA evaluation. Reresponse evaluated by IPQA as inadequate; additional response required by 10-15-82. Response received 10-28-82 by IPQA. Revised completion date due 11-12-82. Pending closure of CAR 106. | (BAQA) | |
| C-248 | | BAPE- Material Regs Anchor Bolts | ARR 594 | Closed. | | 12-8-82 |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|--|--|---|------------|-------------|
| C-249 | 1b | BAQC- NCR's/DR's not tagged | ARR 588 | Delinquent C/A response due 7/6/82. Pending IPQA evaluation. Inadequate C/A proposal; C/A response by 9/16/82. Response received 10-1-82; being evaluated by IPQA. Inadequate C/A proposed; C/A response due 10-27-82. Response received 12-6-82; C/A not completed 12-10-82; revised completion date due 12-21-82. | (BAQC) | |
| C-251 | | BAQC- NCR Tagging/ Flagging System | ARR 601 QCI 102 BAP 1.0 ARR 598 | Closed. | | 12-7-82 |
| C-253 | | BAPE- Unmarked Spare Control Room Termination | SW-007 ARR 596 JI-E007 | Closed. | | 12-17-82 |
| C-257 | | BAQC- Material Req Sign-Off | ARR 607 | Closed. | | 12-14-82 |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|---|------------|--|------------|-------------|
| C-260 | 2 | BAQC- Storage & Maint. SMIR Cards (Mech Snubbers) | ARR 605 | Pending IPQA Evaluation; Pending IPQA Verification; C/A due on 9/30/82. Response of 9-30-82 PHM-095 requested C/A extension to 11-1-82; granted. C/A not completed 11-8-82; BAPE responded 11-19-82, PHM-101-82 and 12-10-82, PHM-104-82; 2-1-83. | (BAPE) | |
| C-261 | 2 | BAPE- Operators Qualifi- cation | ARR 612 | Pending C/A response to IPQA due 8/11/82; C/A response to BAQA due 8/17/82. Response received 8/31/82 by IPQA; BAPE responded 9-3-82; HRS-237, BAPE responded 10-8-82; HRS-287 for closure. Pending IPQA verification C/A due 10-8-82. C/A not complete as of 10-13-82. Interim response received 11-4-82; C/A completed per BAPE response dated 12-17-82, HRS-394-82. | (BAQA) | |
| C-82-011 | 2 | QC inspection failed to use installation drwg. to perform inspection. | ARR625 | Pending BAQC response due 9-7-82 to IPQA. Response received 9/15/82 and 9-22-82; Pending evaluation; C/A due 10-15-82. C/A not completed 10-15-82; revised date due 10-22-82. C/A to be completed 2-10-83. | (BAQA) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|---|--|---|------------|-------------|
| C-82-014 | 1b | BAQC No DR's sent to IPC Sup. of Plant Services for Deviation Tags on Waste Sludge Tanks. | ARR693 | Pending BAQC response due 9-10-82 (BAQA) to IPOA. Response received 9/15/82; Pending IPOA evaluation. Inadequate C/A proposed; reresponse due 10-14-82. Notified 11-1-82, "Hold Status"; BA to re-respond by 12-3-82. BAPE responded 12-6-82. | | |
| C-82-016 | 2 | Automatic Sprinkler Lack of documentation for inspecting steel base plates. | ARR695 | Pending BAQC response due 9-10-82 (IPQA) to IPQA. Response received 9-22-82; inadequate C/A proposed; reresponse due 10-11-82. BAPE responded 10-12-82 and 12-15-82; C/A complete 12-15-82. | | |
| C-82-020 | 2 | BAQC QC Training Manual | ARR 701 | Pending BAQC response due 9-17-82 (BAQC) to IPQA; Response received 10-21-82; Pending evaluation. Inadequate C/A proposed; C/A re-response received 11-19-82; C/A due 2-1-83. | | |
| C-82-028 | 2 | BAPE BA Housekeeping- Responsiveness to housekeeping reports | MCAR#1 ARR 716 BAP 2.7 JV-510 | Pending C/A response due 9-24-82 (BAPE) Response of 10-1-82 corrected procedure approval to 12-3-82. C/A to be completed 1-28-83. | | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSURE DATE |
|----------|----------|--|---|---|------------|--------------|
| C-82-035 | 2 | Strut cap screws torqued excessively | ARR 733 NCR 7799 | Pending C/A response due 10-14-82 to IPQA. Response received 10-21-82 by IPQA, pending evaluation. Response received 11-19-82; C/A due 2-1-83. | (BAQC) | |
| C-82-036 | 2 | BAPE- Procedure does not reflect organ. change. | BAP 2.1 PCR 208-81 PCR 229-81 ARR 735 ARR 734 | Pending C/A response due 10-14-82 to IPQA. BAPE responded 10-14-82 HRS (JLC-017); C/A to be completed by 11-15-82. HRS-343 revised C/A completion date to 12-16-82. | (IPQA) | |
| C-82-040 | 2 | BAQC Redline changes without QC/TS initials/ date. | ARR 739 | Pending C/A response due 10-15-82. Interim response received 10-21-82. | (BAQC) | |
| C-82-045 | 2 | BAQC Tubing not properly installed | ARR 755 | Pending C/A response due 11-04-82 to IPQA. Response received 12-02-82. C/A to be completed 1-31-83. | (BAQC) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

10 OF 12

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|--|--------------------|--|------------|-------------|
| C-82-049 | 2 | BAPE No procedures for control Welding Procedures Handbook (JV-493) | ARR-758 BAP 2.0 | Pending C/A response due due 11-3-82 to IPQA. BAPE responded 11-4-82 extending response 11-17-82. BAPE responded 11-18-82; C/A to be completed 1-18-83. | (BAPE) | |
| C-82-050 | | BAPE Tech. references must contain a revision label. | ARR-760 | Closed. | | 12-14-82 |
| C-82-051 | 2 | BAPE Requisitions reviewers are initialed. | ARR-761 * | Pending C/A response due 11-4-82 to IPQA. Inadequate C/A proposed; C/A reresponse due 11-30-82. BAPE responded 11-22-82, JLC-23 requesting IPQA concurrence on proposed C/A. | (BAQA) | |
| C-82-052 | 2 | BAQC Lack of cleanliness of concrete forms. | | Pending C/A response due due 11-22-82. Response received IPQA 11-10-82. C/A reresponse due 12-16-82 to IPQA; response received 12-14-82. | (IPOA) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

11 OF 12

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|---|------------|---|------------|-------------|
| C-82-059 | | BADRC- IWE turnover pkg. #2 missing documents. | | Closed. | | 12-14-82 |
| C-82-064 | 2 | ZACK- NCRs improperly closed. | ARR-770 | Pending C/A response due 11-29-82 to IPQA. BAPE responded 11-22-82, MG-012. | (BAQA) | |
| C-82-065 | 2 | BAQC- Lack of inspection documentation (JV-510) of housekeeping. | ARR-766 | Pending C/A response due 11-29-82 to IPQA. Response received 12-2-82; C/A due 1-5-83. | (BAOC) | |
| C-82-066 | 2 | BAPE- No FCR for relocation of three or four bolts. | | Pending C/A response due 11-22-82 to IPQA. BAPE responded 11-23-82 and 12-09-82. | (IPQA) | |
| C-82-067 | 2 | BAPE- Three bolts relocated and one bolt further than allowance. | | Pending C/A response due 11-22-82 to IPQA. BAPE responded 11-23-82 and 12-9-82. | (IPQA) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

12 OF 12

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|---|------------|---|-----------------|----------------|
| C-82-068 | 2 | BAQC- Inspector failed to note relocation of expansion bolt. | | Pending C/A response due 11-22-82 to IPQA. Response received 12-2-82; C/A due 1-29-83. | (BAQC) | |
| C-82-069 | 2 | ZACK Unqualified welders performing welding. | | Pending C/A response due 12-27-82 to IPQA. | (ZACK/ BAQA) | |
| C-82-070 | 2 | ZACK QC inspector accepted welds by unqualified welders. | | Pending C/A response due 12-27-82 to IPQA. | (ZACK/ BAQA) | |
| C-82-071 | 2 | BAPE- Logs are inaccurate. | | Pending C/A response due 12-10-82 to IPQA. | (BAPE) | |

ILLINOIS POWER QUALITY ASSURANCE SURVEILLANCE

OF

ILLINOIS POWER COMPANY

Total Open - 8

Responsible for Action:

Illinois Power Quality Assurance

-3

NSED

-0

CPS Staff

-4

Sargent & Lundy

-0

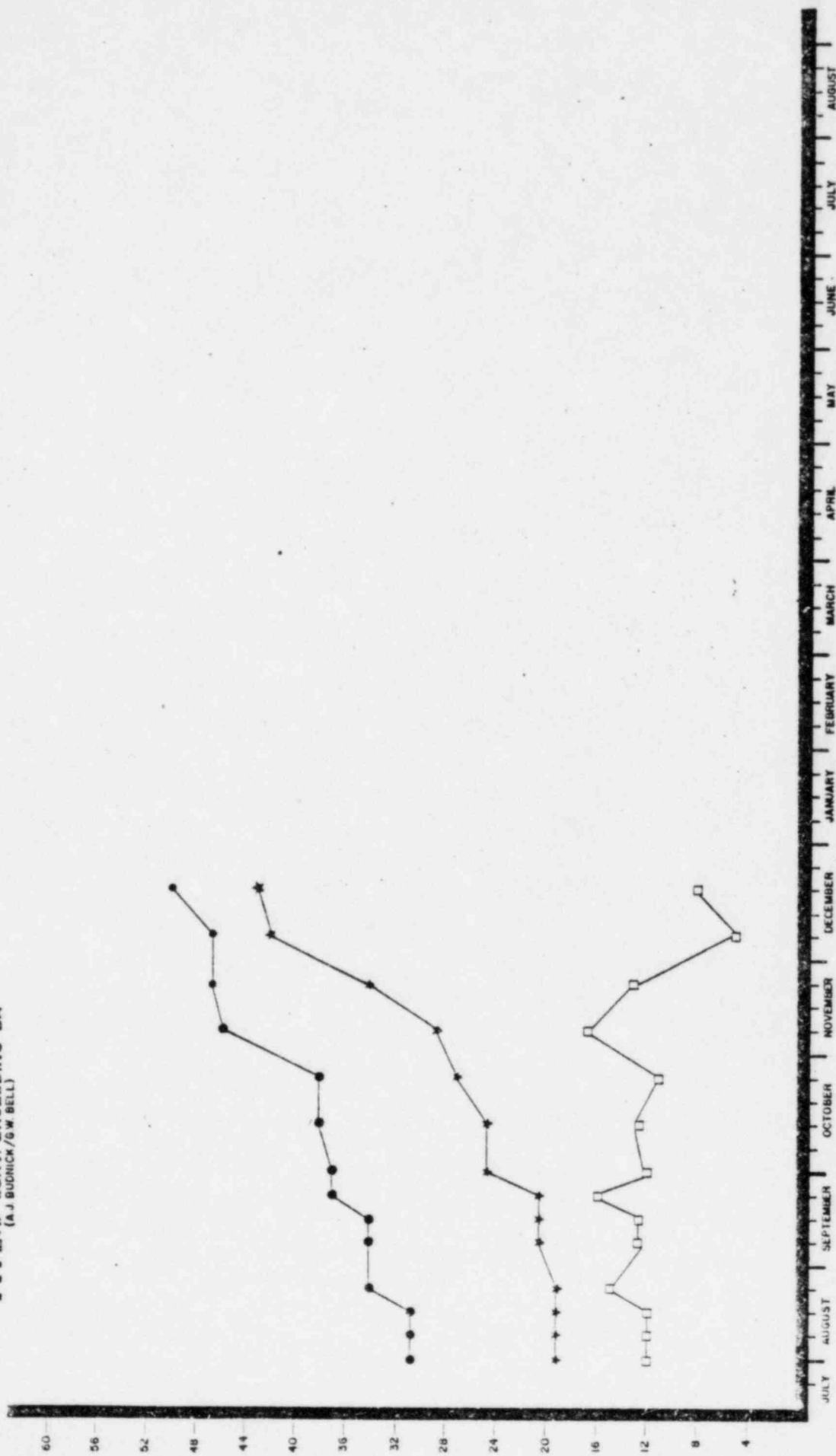
Other

-1

Open Corrective Action Response Summary

● - ACCUMULATIVE TOTAL
 [] - NUMBER OPEN
 * - NUMBER CLOSED

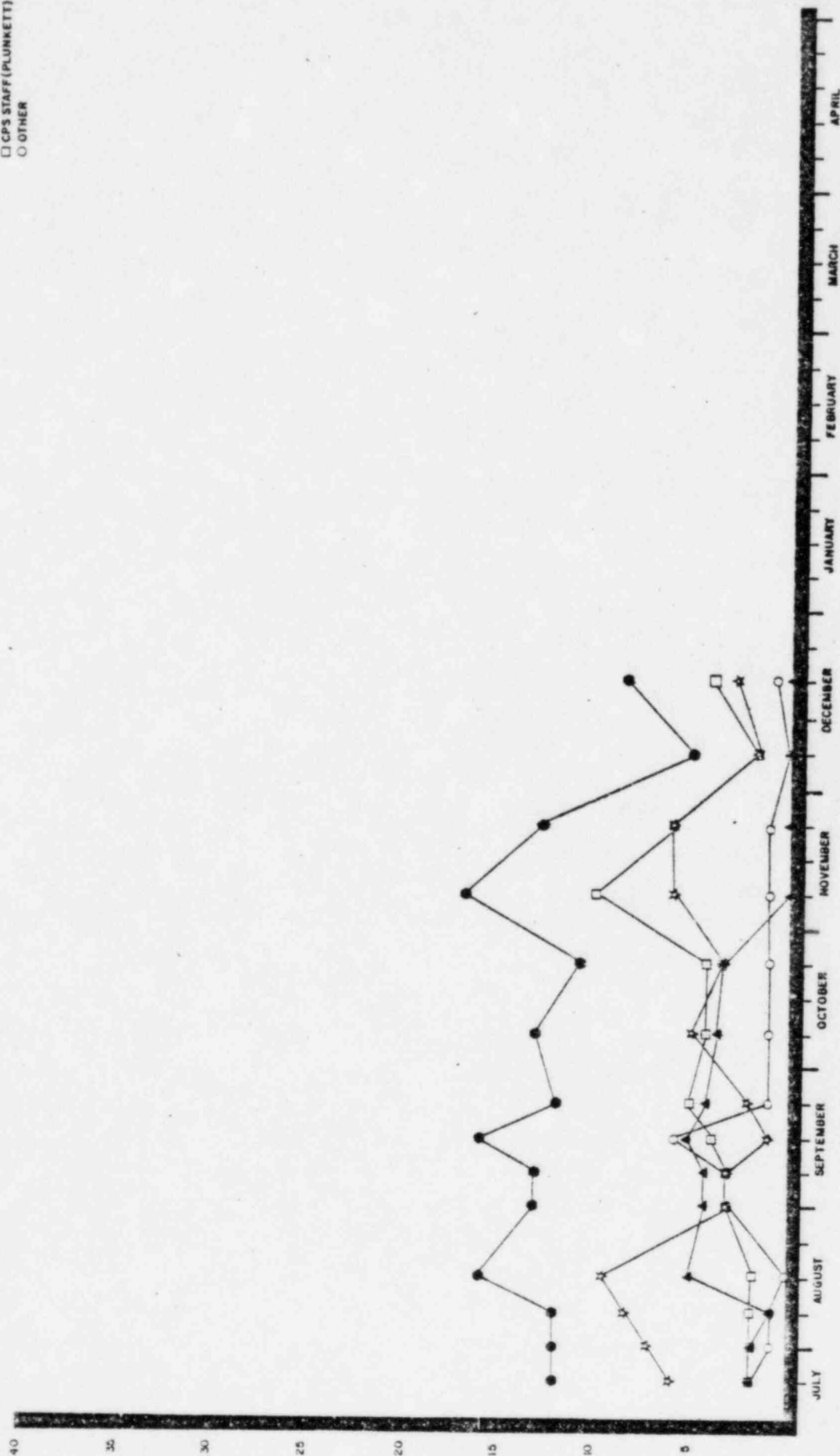
TYPE: IP SURV. EXCLUDING BA
 (A.J. BUDNICK / S.W. BELL)



Open Corrective Action Response Summary (Responsibility)

- TOTAL OPEN
- ☆ IPQA (BELL)
- ▲ NSD (GEIER)
- CPS STAFF (PLUNKETT)
- OTHER

TYPE: IP/SRVL OF IP



CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|---|------------|--|---------------|-------------|
| C-204 | 2 | NSED- TF System Classification | BAP 2.26 | Pending Verification; C/A due 8/15/82. S&L C/A completed; responsibility for remaining C/A assigned to BAPE, ref: Ltr. Spencer, B-10456, 9-3-82. C/A response from BA due 9/27/82. Response received 9/29/82 and evaluated as inadequate; C/A reresponse due 10-15-82. BAPE response 10-18-82; RS-053; NCR's to be issued by BAP 2.26 revised. C/A due 2-3-83. | (BAPE) | |
| E81-06 | 2 | NSED- Bidder Not On AVL | | Pending verification; to be verified September, 1982 during Audit Q38-82-5. Audit rescheduled to November, 1982. | (IPQA) | |
| P-82-041 | 2 | PLANT STAFF Tags improperly marked. | | Pending C/A response due 11-05-82 to IPQA Response received 11-3-82; C/A due 12-3-82. C/A not completed 12-7-82; Revised C/A completion date due 12-29-82. | (Plant Staff) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|--|------------|--|---------------|-------------|
| C-82-061 | | NSED LWE T/O pkg. #2 missing instrumentation documentation. | | Closed. | | 12-14-82 |
| P-82-062 | 2 | PLANT STAFF Failed to approve vendor documentation. | | CA response due 12-6-82; Response received 12-6-82; Inadequate C/A proposed; C/A reresponse due 12-27-82. | (Plant Staff) | |
| 0-82-072 | 2 | IPQA- Log/file index not fully completed. | | C/A response due 1-3-83. | (IPOA) | |
| 0-82-073 | 2 | IPQA- Several distribution lists do not reference CPS central file. | | C/A response due 1-3-83. | (IPQA) | |
| P-82-074 | 2 | PLANT STAFF- Gauges not adequately calibrated. | | C/A response due 1-3-83. | (PLANT STAFF) | |

IP/SRVL/B

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

3 OF 3

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|---|------------|--------------------------|------------------|----------------|
| P-82-075 | 2 | PLANT STAFF- Violation of Procedures for MWR. | | C/A response due 1-5-83. | (PLANT STAFF) | |

ILLINOIS POWER QUALITY ASSURANCE AUDITS

Total Open - 19

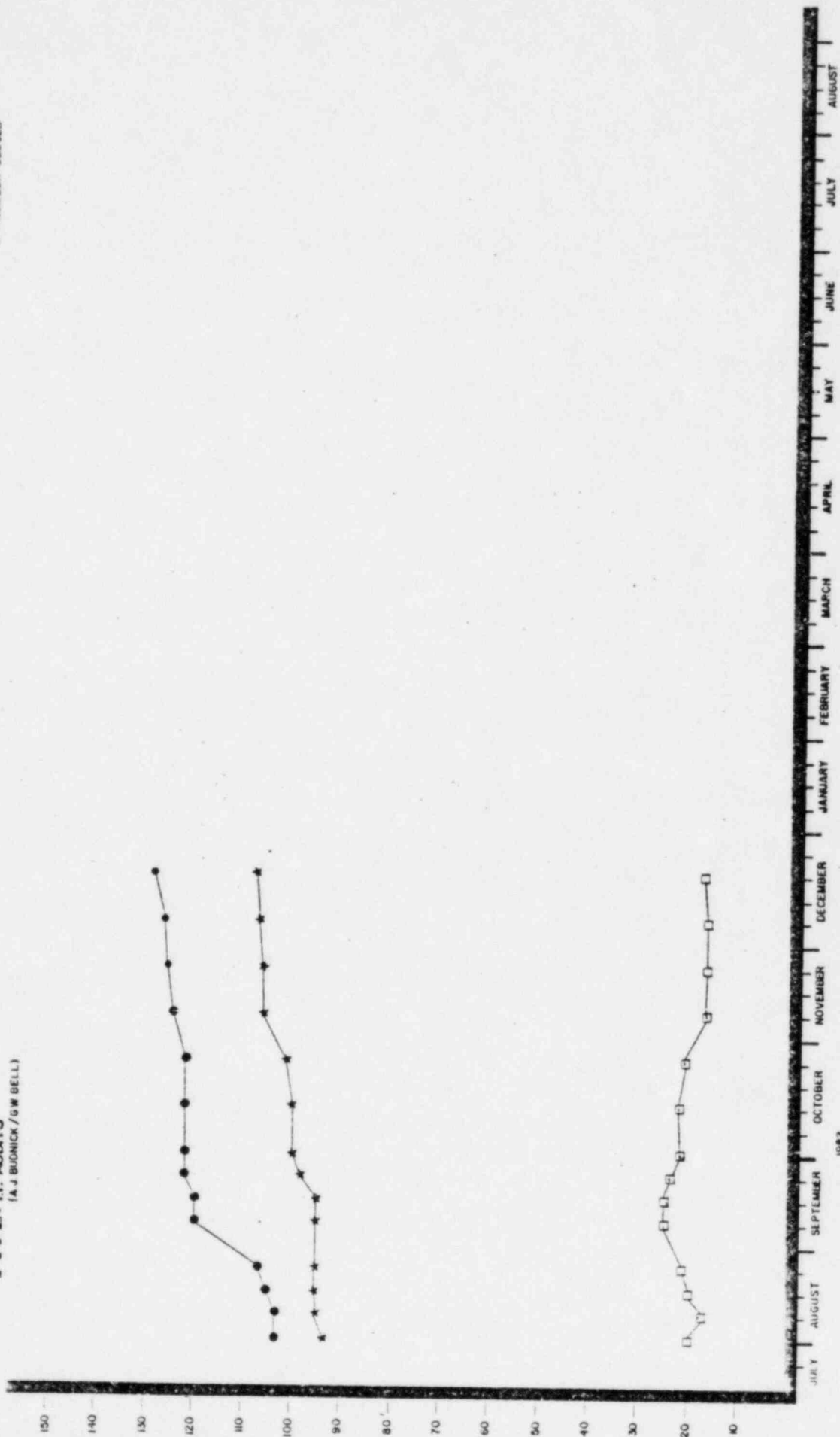
Responsible for Action:

| | | |
|----------------------------------|----|----|
| Illinois Power Quality Assurance | | -7 |
| U.S. Testing Co. | -2 | |
| Clinton Power Station Staff | | -3 |
| Nuclear Station Engineering | | -4 |
| Sargent & Lundy | -2 | |
| Other | | -5 |

Open Corrective Action Response Summary

TYPE: IP AUDITS
(A J BUDNICK / G W BELL)

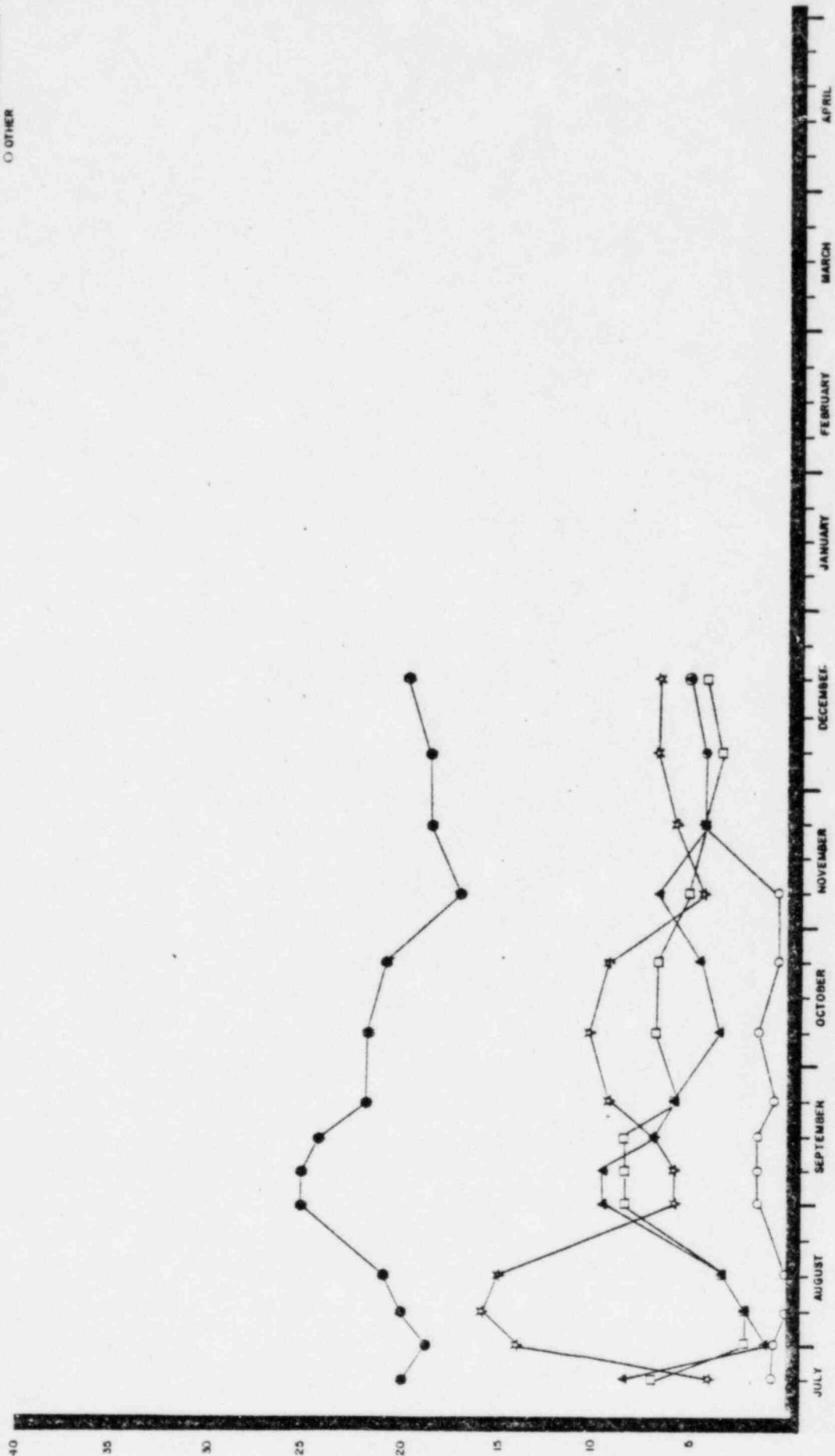
● - ACCUMULATIVE TOTAL
□ - NUMBER OPEN
* - NUMBER CLOSED



Open Corrective Action Response Summary (Responsibility)

- TOTAL OPEN
- POA (BELL)
- ▲ NSD (GEIER)
- OPS STAFF (PLUNKETT)
- OTHER

TYPE: IP AUDITS



CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | FINDING #. | STATUS | RESP. ORG. | CLOSED DATE |
|-----------|----------|--------------|-------------|---|----------------|-------------|
| Q31-82-2 | 2 | BA/SU | Q31-82-2-1 | C/A response due 1-10-83. | (CPM) | |
| | | | Q31-82-2-2 | " " " | | |
| | | | Q31-82-2-3 | " " " | | |
| | | | Q31-82-2-4 | " " " | | |
| | | | Q31-82-2-5 | " " " | | |
| | | | Q31-82-2-6 | " " " | | |
| | | | Q31-82-2-7 | " " " | | |
| | | | Q31-82-2-8 | " " " | | |
| Q33-82-2 | 1b | GE/OCES | Q33-82-2-1 | C/A complete. | (IPQA) | |
| | | | Q33-82-2-2 | " " " | | |
| Q33-82-4 | 2 | GE/NC&ID | Q33-82-4-1 | C/A response due 1-07-83. | (NSD/ IPQA) | |
| | | | Q33-82-4-2 | Closed. | | |
| | | | Q33-82-4-3 | Closed. | | |
| | | | Q33-82-4-4 | Closed. | | |
| | | | Q33-82-4-5 | Closed. | | |
| | | | Q33-82-4-6 | C/A reresponse due 12-29-82. | | |
| Q33-82-8 | 2 | GE/Fuel Fab. | Q33-82-8-3 | C/A not completed 10-11-82; Response due 12-22-82. | (NSD) | |
| Q33-82-10 | 2 | GE/Fuel Fab. | Q33-82-10-1 | C/A not completed 10-11-82. C/A response due 12-22-82. | (NSD) | |

| ITEM NO. | PRIORITY | SUBJECT | FINDING #. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|--------------|--|---|----------------|----------------|
| Q33-82-12 | | GE/Fuel Fab. | NA | No C/A required. | | 11-11-82 |
| Q35-81-4 | 1b | S&L | Q35-81-4-3 | C/A not complete 10-8-82. C/A reresponse due 12-29-82. | (S&L) | |
| Q35-82-2 | 2 | S&L | Q35-82-2-1 Q35-82-2-2 Q35-82-2-3 | C/A due 11-1-82. C/A reresponse due 12-29-82. C/A due 9-21-82. | (S&L/ IPQA) | |
| Q35-82-3 | 2 | S&L | Q35-82-3-1 Q35-82-3-2 Q35-82-3-3 Q35-82-3-4 Q35-82-3-6 Q35-82-3-7 Q35-82-3-8 | C/A due 11-12-82 C/A due ASAP. C/A due 12-31-82. C/A due 6-1-83. C/A due 6-1-83. C/A reresponse due 12-29-82. Closed. | (S&L/ IPQA) | |
| Q35-82-4 | 2 | S&L | Q35-82-4-1 Q35-82-4-2 Q35-82-4-3 Q35-82-4-4 | C/A response due 11-29-82 " " " | (S&L) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | FINDING #. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|-------------------------------|--------------------------|--|----------------|----------------|
| Q36-80-4 | 1b | U.S. Testing (Hoboken) | Q36-80-4-10 | Requires proc. approval. | (IPQA) | |
| Q36-81-1 | 1b | Meteorology Research, Inc. | Q33-81-1-10 Note: | C/A not complete. Removed from AVL. | (CPS Staff) | |
| Q36-81-3 | 1b | Southwest Research | Q36-81-3-3 | C/A due 12-31-82. | (CPS Staff) | |
| Q36-82-1 | 2 | Sentry Equip. Corp. | Q36-82-1-1 Q36-82-1-2 | Pending Verification. " " | (IPOA) | |
| Q36-82-2 | 2 | Southwest Research | Q36-82-2-1 | C/A due 10-1-82. | (IPOA) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | FINDING #. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|---------------------------|-------------|---|-----------------|----------------|
| Q36-82-3 | 2 | U.S. Testing (Site) | Q36-82-3-1 | Closed. | (UST/IPOA) | |
| | | | Q36-83-3-2 | " " 3-1-83 | | |
| | | | Q36-82-3-3 | Delinquent | | |
| | | | Q36-82-3-4 | Closed. | | |
| | | | Q36-82-3-5 | Closed. | | |
| | | | Q36-82-3-6 | C/A due 3-1-83. | | |
| | | | Q36-82-3-12 | Delinquent. | | |
| | | | Q36-82-3-16 | Closed. | | |
| | | | Q36-82-3-17 | C/A due 10-29-82. | | |
| | | | Q36-82-3-18 | Delinquent. | | |
| Q36-82-4 | 2 | U.S. Testing (Hoboken) | Q36-82-4-1 | C/A response due 12-1-82. | (UST) | |
| | | | Q36-82-4-2 | " " " " | | |
| Q38-80-3 | 1b | NSED | Q38-80-3-8 | Pending approval of Management Guide/Procedures. | (IPQA) | |
| Q38-82-9 | 2 | NSED | Q38-82-9-2 | C/A due 12-31-82. | (IPOA/ NSED) | |
| | | | Q38-82-9-4 | " " 12-31-82. | | |
| | | | Q38-82-9-5 | " " 12-31-82. | | |
| | | | Q38-82-9-7 | " " 1-3-83. | | |
| | | | Q38-82-9-8 | No date provided. | | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | FINDING #. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|---------|-------------|--------------------|----------------|----------------|
| Q38-82-11 | 1b | IPSE | Q38-82-11-1 | C/A due 1-15-83 | (CPS STAFF) | |
| | | | Q38-82-11-2 | C/A reresponse due | | |
| | | | Q38-82-11-3 | C/A due 1-15-83. | | |
| | | | Q38-82-11-4 | C/A due 12-31-82. | | |
| | | | Q38-82-11-5 | C/A due 1-15-83. | | |

ILLINOIS POWER QUALITY ASSURANCE
MANAGEMENT CORRECTIVE ACTION REQUESTS

Total Open - 5

Responsible for Action:

IPQA

| | |
|--|----|
| #001 - Storage and Maintenance | -1 |
| #002 - Structural Steel | -1 |
| #004 - Temporary/Permanent Attachments | -1 |
| #005 - Structural Concrete | -1 |

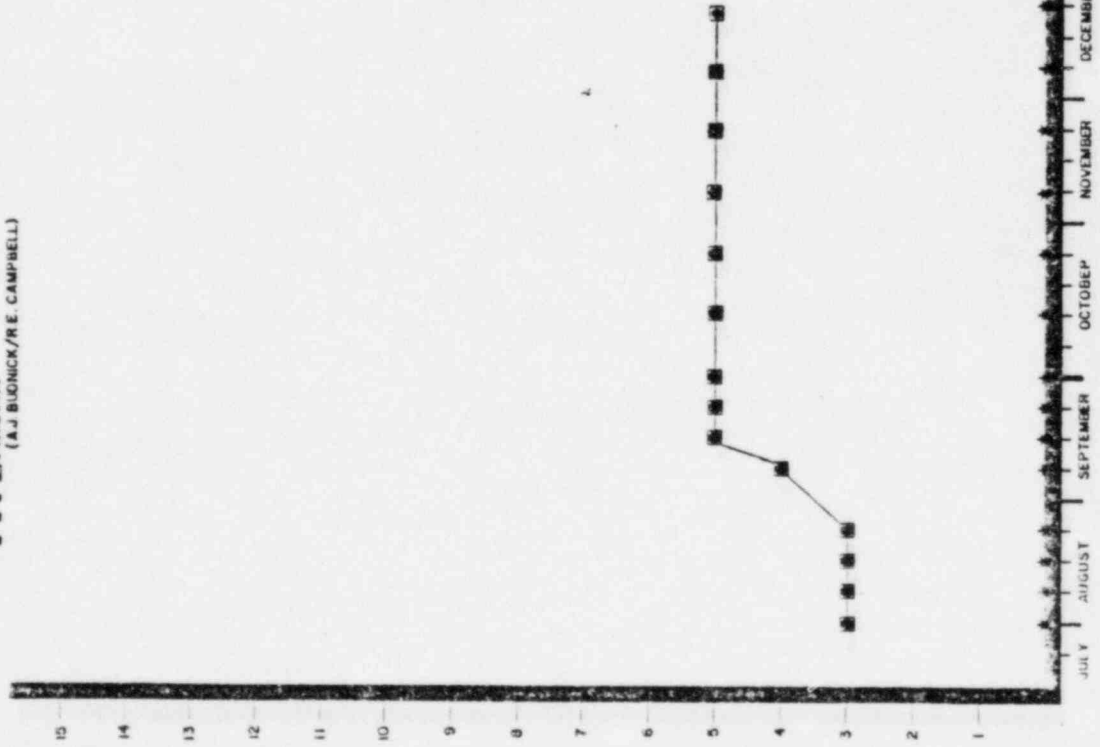
BAQC

| | |
|-----------------|----|
| #003 - Training | -1 |
|-----------------|----|

Open Corrective Action Response Summary

TYPE:MCAR
(A.J. BUDNICK/R.E. CAMPBELL)

● - ACCUMULATIVE TOTAL
[] - NUMBER OPEN
★ - NUMBER CLOSED



CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|---|------------|--|---------------|----------------|
| 001 | 1a | S&M/Housekeeping | | Final response received from BAPE (IPQA) (11-2-82) which addresses all open items; IPQA verifying. C/A to be completed 11-30-82. (NOTE: Meeting held 11-16-82 between IPQA & BAPE at which time IPQA requested additional information to be provided. Formal response due 12-9-82 to CPM and 12-13-82 to IPQA. BA responded per WJH-154-82, 12-9-82; C/A to be completed by 1-28-83. | | |
| 002 | 1a | Structural Steel Erection and Inspection. | C238-C245 | BA responded per WJH-156-82, 12-09-82. | (IPQA) | |
| 003 | 1a | Training | SW-007 | Pending IPQA evaluation. Training (BAQC) scheduled ready to close 8-20-82. Additional clarification requested from BA. IPQA awaiting receipt of BAO & TS training manuals. Comments are outstanding on BAPE training manual. IPQA reviewing BAQC and BATS training manuals. Pending receipt of BAQC training manual. | | |

MCAR

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

2 OF 2

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|--|---------------------------------|--|---------------|----------------|
| 004 | 1a | Temporary, Permanent Attachments | ARR698 ARR699 BAP 2.2.1 | BA responded per WJH-157-82, 12-9-82. | (IPOA) | |
| 005 | 1a | Structural Concrete | IPQA Surveillance Y-13086 | BA responded per WJH-155-82, 12-9-82. | (IPQA) | |

BALDWIN ASSOCIATES QUALITY ASSURANCE

CORRECTIVE ACTION REQUESTS

Total Open - 11

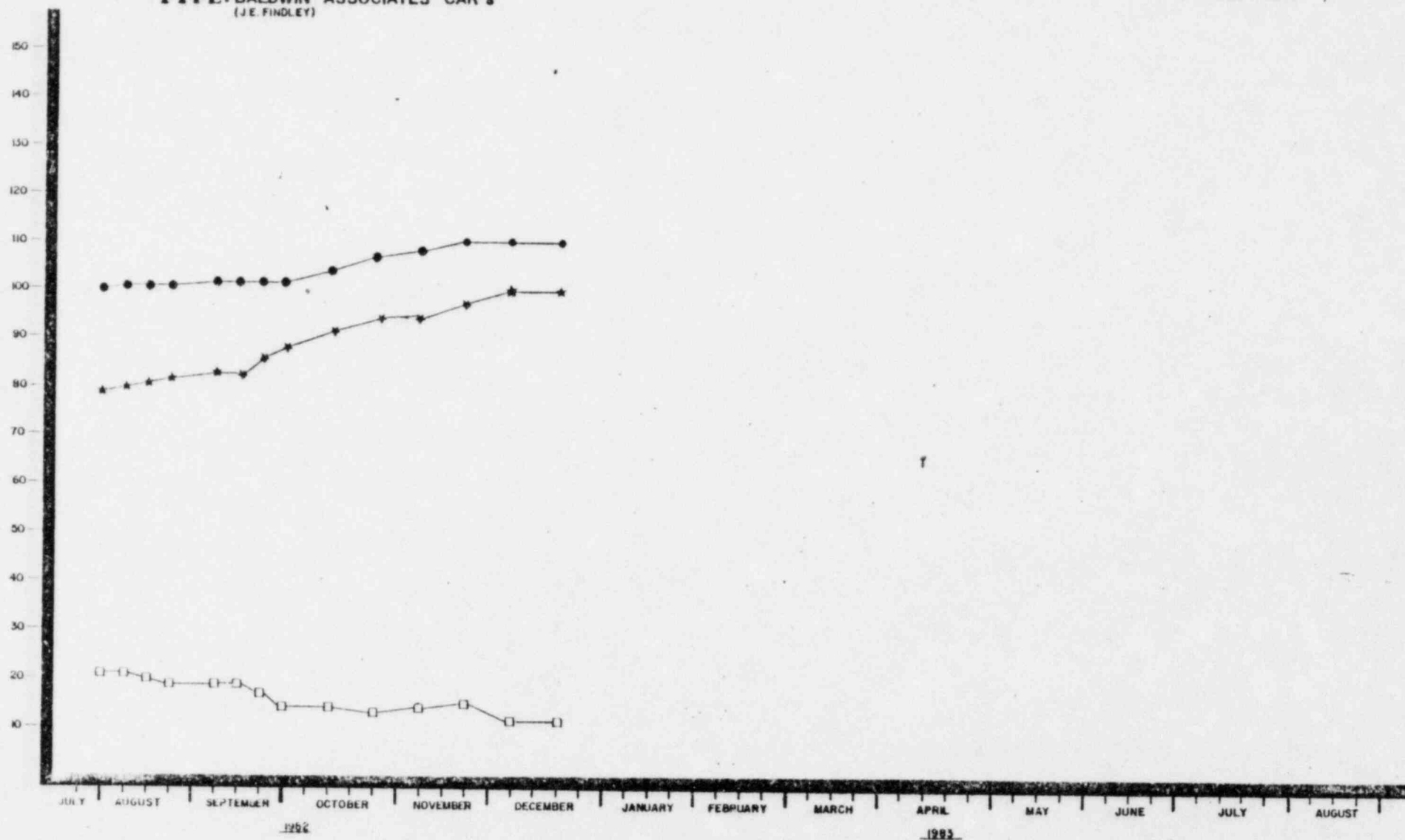
Responsible for Action:

| | |
|---|----|
| Baldwin Associates Quality & Technical Services | -5 |
| Quality Assurance | -3 |
| Quality Control | -2 |
| Technical Services | -0 |
| Training | -0 |
| Baldwin Associates Project Engineering | -1 |
| Other | -5 |

Open Corrective Action Response Summary

TYPE: BALDWIN ASSOCIATES CAR's
(J.E. FINDLEY)

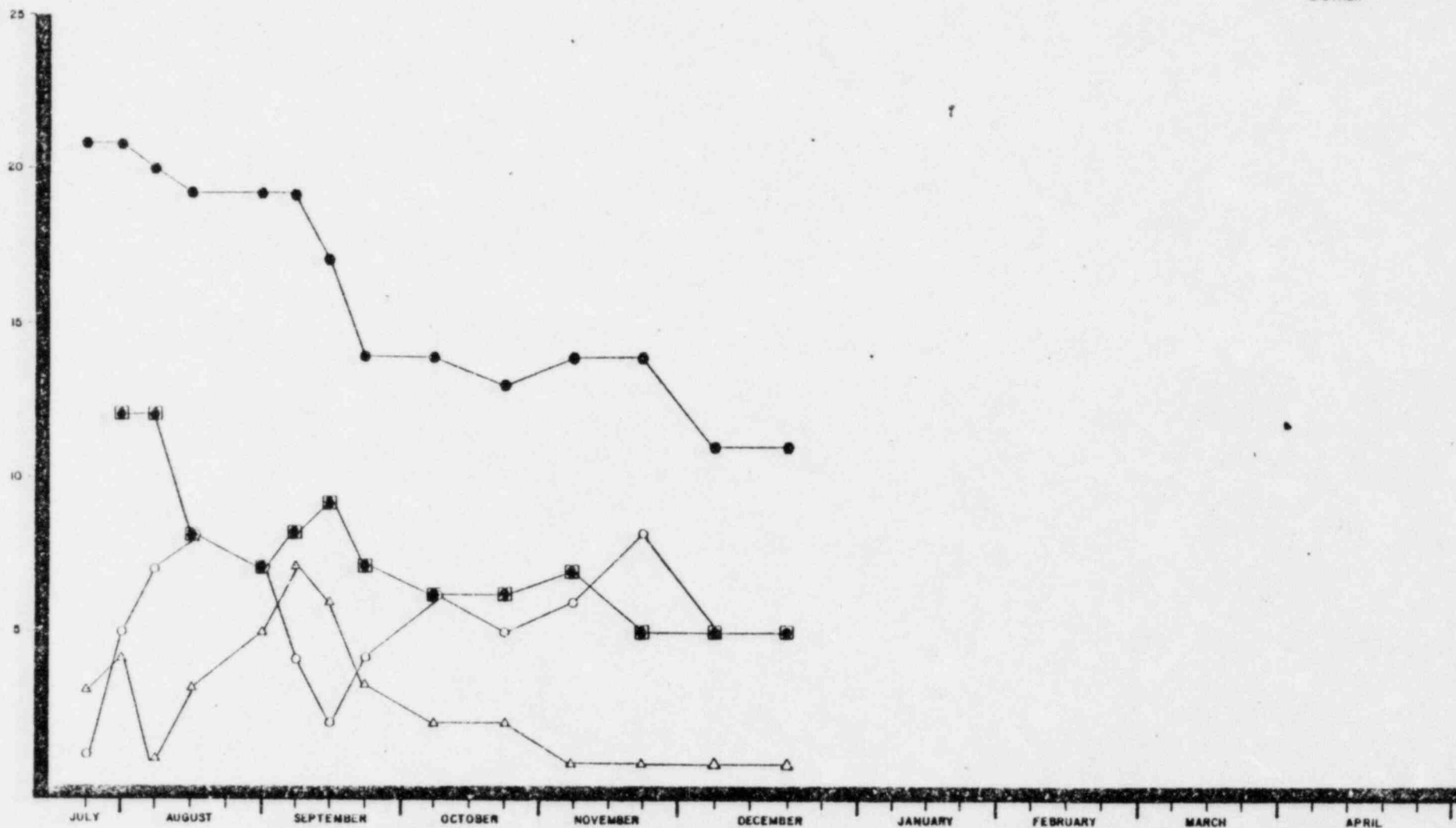
● - ACCUMULATIVE TOTAL
□ - NUMBER OPEN
★ - NUMBER CLOSED



Open Corrective Action Response Summary (Responsibility)

TYPE: BA CAR's

● TOTAL OPEN
■ Q&TS (FINDLEY)
△ BAPE (SWIFT)
○ OTHER



CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|---|-----------------|---|------------------|----------------|
| 067 | 1b | Defective component support welds. | | To date approx. 850 hangers have had discrepancies noted during re-inspection. Re-inspection on going by T.S. Status report due 9-15-82. BA piping mtg. held 9-23-82; Mtgs in progress to close. QA/PE Task Force has been established to identify remaining work. To be re-evaluated 11-2-82. BAPE responded RS-054, 10-27-82; RS-069070, 11-29-82. | (BAPE/BAOC/BAQA) | |
| 073 | 1a | Material Verification of Elec. Constituent parts. | SW-007 S-588 | Pending QA evaluation. Scheduled-Review 8/9/82. Ready to close 8/16/82. BAQA reviewing NCR's for potential closure. Status due 8-27-82 from BAPE & BAQC. Response (BAPE) not received. Additional response due 9-9-82. BAQC responded. BAPE responded 9-14-82 per HRS-247. Same as above - 33 NCR's still open to be re-evaluated 11-2-82. BAPE responded HRS-315 on 11-1-82. | (BAQA/BAPE) | |

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|--|--------------------|---|---------------|----------------|
| 086 | 2 | Lighting Systems Program not being implemented | BAP 3.3.5 I-205 | Proj. Engr. & Q.C. to revise Procedure, Response due 9/1/82. BAPE requested response extension to 11-1-82. Extension 10-7-82 for PE response and 10-14-82 for QC granted to BAQA. BAPE responded 10-7-82 per MM-005-82, 11-2-82 per MM-014, and 11-24-82 per MM-024. Procedure approval due 1-7-83. | (BAPE/ | |
| 094 | 2 | Lack of S&L Design Control | | Inadequate response from IP/ NSED. Re-response due 8/17/82. Re-response due date revised to 8/31/82. Additional informa- tion requested by 9-10-82. Information received end of 9/82. Complete evaluation 11-19-82. Extension to 12-19-82 granted. | (BAQA) | |
| 103 | 2 | QC qualification records. | | Response due 10-28-82. Response received 10-19-82 evaluated to be adequate. Pending evaluation of qualification records by QC. C/A to be completed 1-3-83. | (BAQC) | |

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|---|----------------------------|--|-------------|-------------|
| 104 | 2 | Rockwell Inter-National-supplier documentation not per P.O. | K-2865C | Response due 10-28-82. Original CAR lost; duplicate CAR sent 12-2-82; pending closure. | (Vendor) | |
| 105 | 2 | Improper initiation CAR 82-11 of Travelers | | Response due 11-2-82. BATS response pending BA/OA review. BAPE responded 11-3-82, RS-056-82; 11-15-82, RS-058-82. Response evaluated acceptable per TH#1129482. C/A to be completed 12-15-82. Additional response needed 12-10-82. BAPE responded 12-10-82; training to be completed 12-15-82. | (BAQA/BAPE) | |
| 106 | 1a | Calibration of Craft tools. | BAP 2.5 Rev. 7 I-190 | Response due 11-2-82. BAPE responded 10-29-82; complete field inventory to be completed 11-12-82. BAPE responded 11-22-82, HRS-356 for closure. | (BAQA) | |
| 107 | 2 | Inadequate Electrical QC inspection. | BAP 3.3.6 QCI-406 | Response due 11-10-82. BAQC responded 11-12-82; C/A should be completed March '83 | (BAQC) | |

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|---------------------------|------------|---|---------------|----------------|
| 108 | 2 | E-Max Instruments Inc. | | Response due 12-10-82. | (Vendor) | |
| 109 | 2 | Hold tags for NCRs. | | Response due 12-2-82. Response received 12-1-82. | (BAQA) | |

BALDWIN ASSOCIATES QUALITY ASSURANCE

INTERNAL AUDITS

Total Open - 15

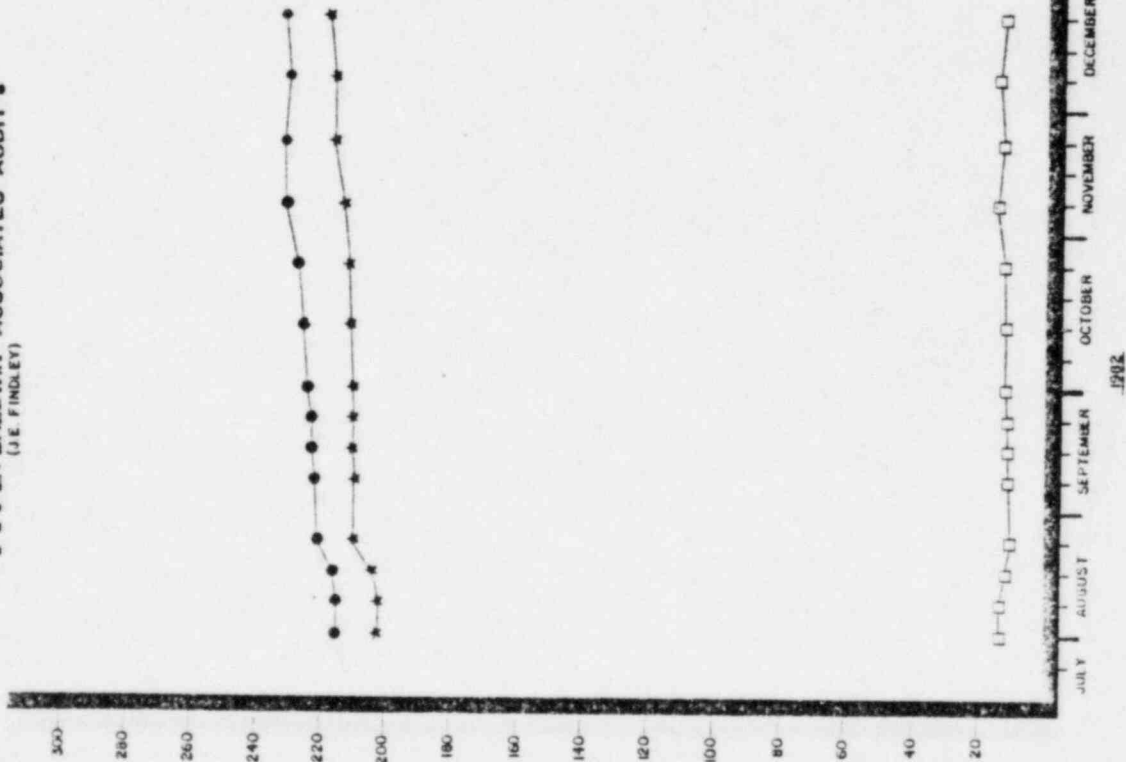
Responsible for Action:

| | |
|---|----|
| Baldwin Associates Quality & Technical Services | -6 |
| Quality Assurance | -5 |
| Quality Control | -0 |
| Technical Services | -0 |
| Training | -1 |
| Baldwin Associates Project Engineering | -2 |
| Other | -7 |

Open Corrective Action Response Summary

● - ACCUMULATIVE TOTAL
 () - NUMBER OPEN
 * - NUMBER CLOSED

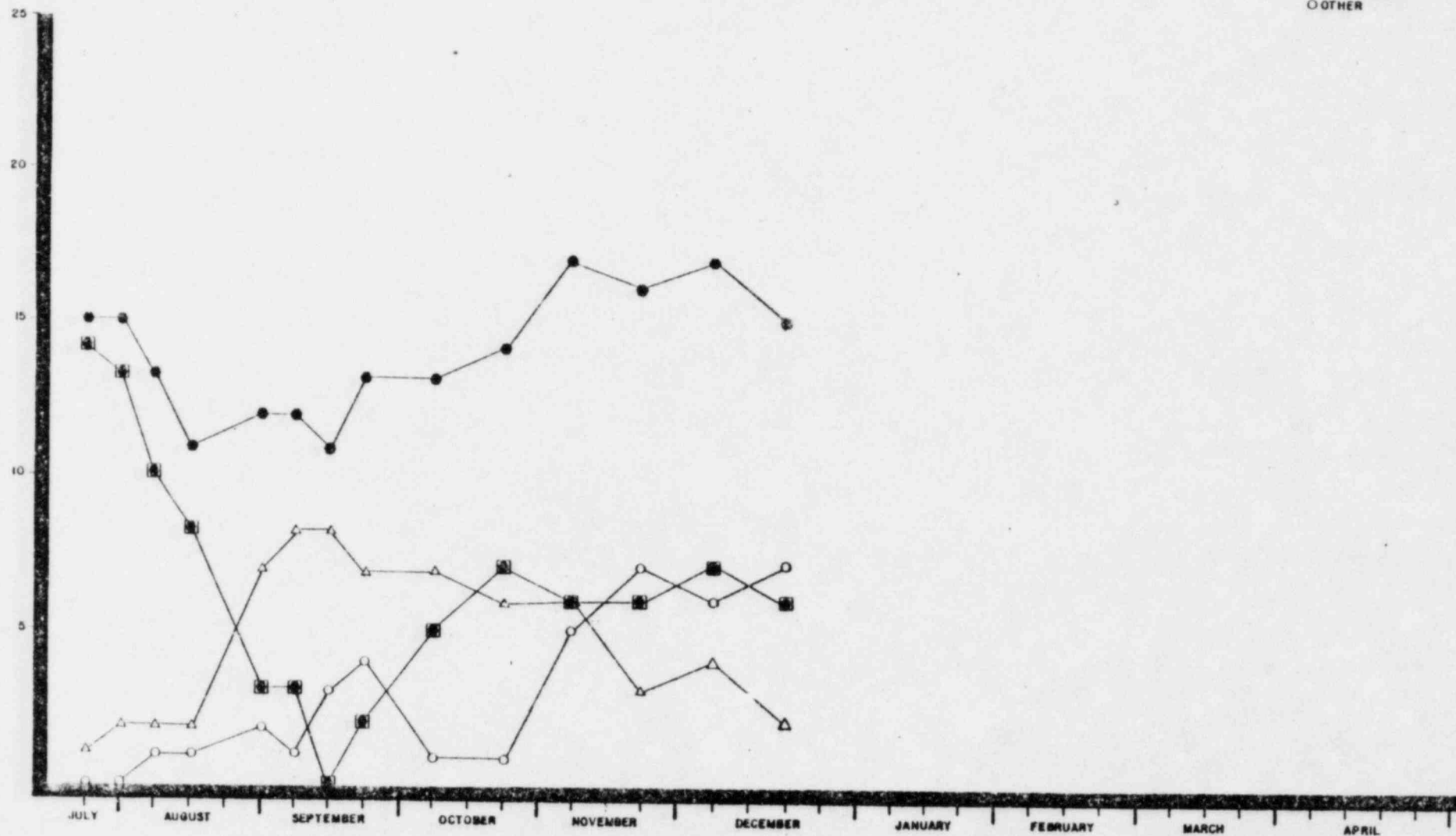
TYPE: BALDWIN ASSOCIATES AUDIT,
 (J.E. FINDLEY)



Open Corrective Action Response Summary (Responsibility)

TYPE: BA AUDITS

● TOTAL OPEN
■ JQ & TS (FINELY)
△ BA PE (SWIFT)
○ OTHER



CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSFD DATE |
|----------|----------|-----------------------------------|--------------------------------|--|------------------|-------------|
| I-190 | 1b | Calibration | CAR 106 SS#539/ 606 | BAP 2.5 in review process. BAP 2.5 in approval cycle. BAP 2.5 issued for construction. | (BAQA) | |
| I-191 | | Cable Installation | BAP 3.3.2 QCI 406 | Closed. | | 12-6-82 |
| I-193 | | Cable Termination | BAP 3.3.3 | Closed. | | 12-6-82 |
| I-194 | 2 | Turnover | BAP 2.17 | Finding #1, #2, #3, #5, received response from P.E. Pending Proc. Change #30-82. BAPE will revise procedure. | (BAPE/BAOA/BAOC) | |
| I-195 | 1b | Electrical Equipment Installation | SW #017 BAP 2.10 QCI 404 | Finding #6, pending QCI-404 change. Findings #3, & #4, pending closure of DR's 1588, 1589, 1590. | (BAPE) BAOC) | |
| I-203 | 1b | NCR's/CAR's/DR's | BAP 1.0 E-015 | Findings 6,7,8 and 10 require training to be completed prior to closure. Training completed per HJH-050. | (BAQA) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

2 OF 4

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|------------------------------|--------------------------------------|--|-----------------|-------------|
| I-205 | 2 | Lighting System Installation | CAR 086 BAP 3.3.5 | Audit closure pending procedure BAP 3.3.5 change. BAPE responded 11-2-82, MM-014, 11-24-82, MM-024; Procedure approval due 1-7-82. | (BAPE) | |
| I-213 | 2 | Cannibalization | BAP 2.23 BAP 2.28 QCI 106 | Finding #1-verified by QA Finding #2-procedure change 2.28 and QCI 106 changed. Closure 10/10/82. BAPE responded 9-10-82, HRS-243-82; 9-23-82, WRP-025. BAP 2.28 is approved and in training per HRS-376. | (BA Training) | |
| I-214 | 1b | Instrumentation | CAR 094 | BAPE responded 11-1-82, HJH-043; C/A to be completed by 11-15-82. BAPE responded 11-30-82 for closure. Response being evaluated by BAQA. | (BAQA/ BAOC) | |
| I-219 | 2 | Housekeeping | MCAR BAP 2.7 #001 JV-510 S-607 | BAPE to respond by 10-11-82. BAPE responded 10-11-82, LAW-114; C/A to be complete by 1-28-83. | (BAPE/ BAQA) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|--|------------|--|-------------|-------------|
| I-220 | 1a | Lg. Bore Pipe Hgr. Installation | | Response due 9-20-82 to 15 findings. BAPE responded 9-24-82 per RS-042; BA piping addressing findings to be complete by 10-8-82. BAPE responded 10-4-82 for closure. BAPE responded 10-8-82, DS-049 (supplemental). Response rejected, DF-1092282, due 10-26-82. BAPE responded 11-1-82, RS-055 for closure. Response due from QC 11-14-82. BAPE responded 11-24-82, RS-067. | (BAQA) | |
| I-221 | 2 | Large Bore Piping Installation Activities. | | BAPE to respond by 10-28-82. BAPE responded 11-17-82, RS-059; 11-19-82, RS-061 for closure. | (BAQA) | |
| I-222 | 2 | Electrical Hangers | | BAPE to respond by 10-13-82. BAPE responded 10-13-82, MM-006. Response due from BAQC 10-13-82. Response due from BAPE 11-12-82. BAQC & BAPE responded. | (BAQA) | |
| I-224 | 2 | Mechanical Equipment Installation. | | Response due 12-1-82. BAPE responded 12-2-82. | (BAOC/BAPE) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

4 OF 4

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|---------------------------|-------------------|---|----------------------|----------------|
| I-225 | 2 | Storage & Maintenance | BAP 2.4 JV.510 | Response due 11-19-82. BAPE responded 11-19-82, PHM-100-82 C/A to be completed 12-15-82 and 30 days after audit closure. | (BAPE/ BAQA) | |
| I-226 | | Inspection & Test | | Closed. | | 12-6-82 |
| I-228 | 2 | Test Control | | Response due 12-17-82. | (BAPE) | |
| I-229 | 2 | Large Bore Pipe Piping | | Response due 1-5-83. | (BAPE/BAOC/ BATS) | |

BALDWIN ASSOCIATES QUALITY ASSURANCE

SURVEILLANCES

Total Open - 16

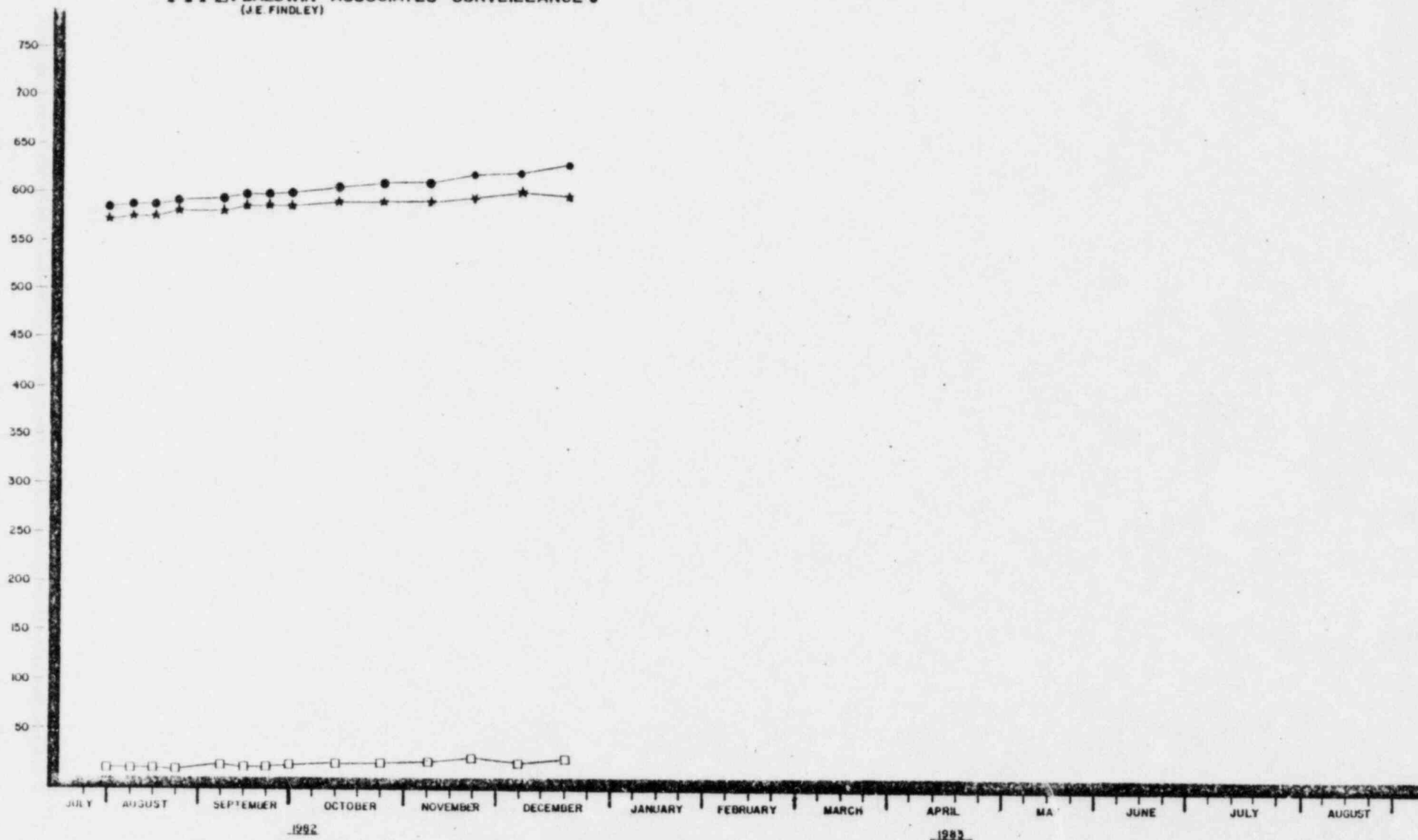
Responsible for Action:

| | |
|---|----|
| Baldwin Associates Quality & Technical Services | -7 |
| Quality Assurance | -7 |
| Quality Control | -0 |
| Technical Services | -0 |
| Training | -0 |
| Baldwin Associates Project Engineering | -6 |
| Other | -3 |

Open Corrective Action Response Summary

TYPE: BALDWIN ASSOCIATES SURVEILLANCE's
(J.E. FINDLEY)

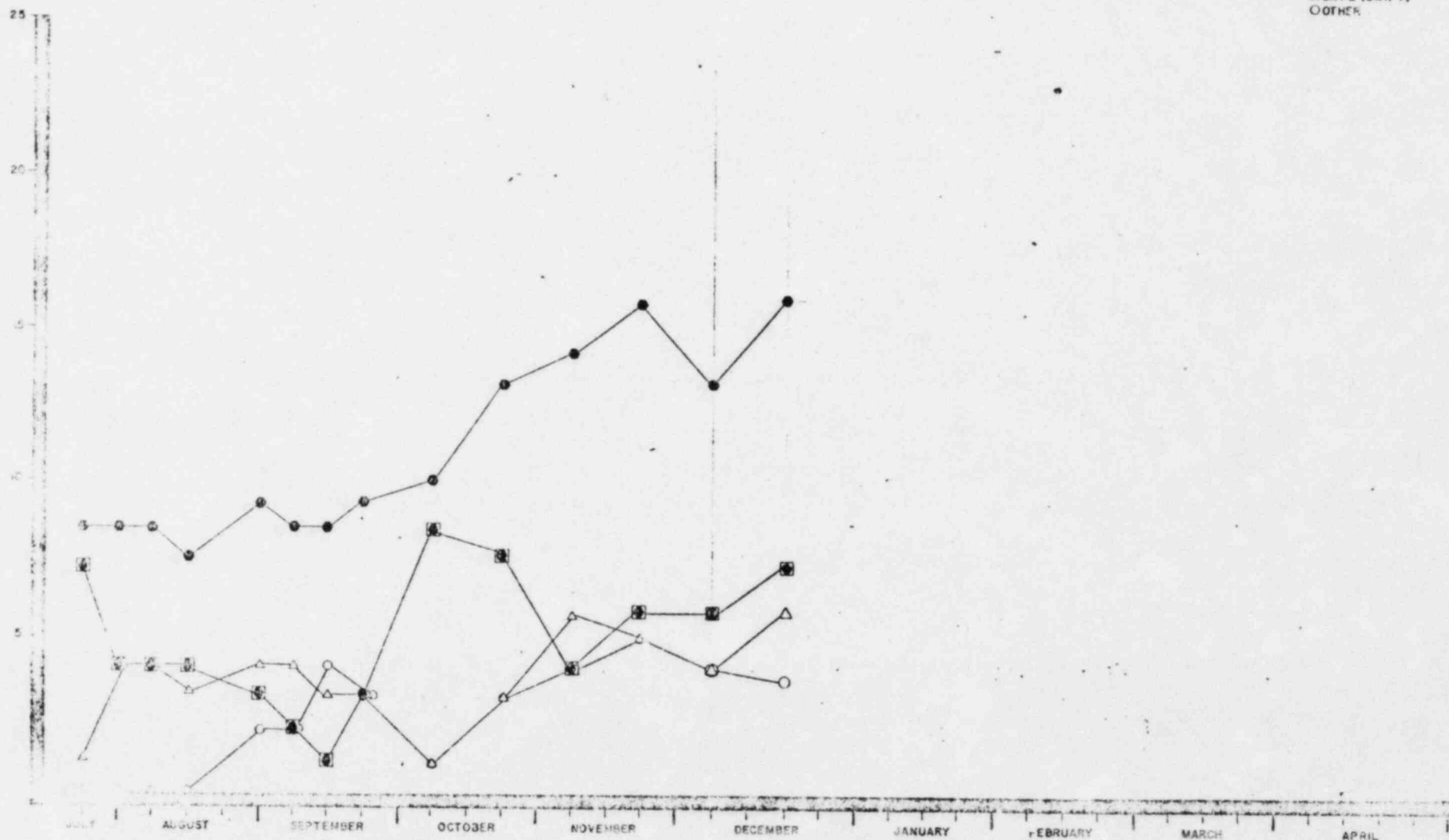
● - ACCUMULATIVE TOTAL
□ - NUMBER OPEN
★ - NUMBER CLOSED



Open Corrective Action Response Summary (Responsibility)

TYPE: BA SRVL.

● TOTAL OPEN
 ■ QBTS (FINELY)
 △ BAPE (SWIFT)
 ○ OTHER



CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|--|-----------------------------|--|---------------|----------------|
| 538 | 1b | Zack | | Pending QA verification. Requires additional C/A by ZACK Requires lifting of stop work. No further response required by BAPE per RJ#1088782. Verification pending lifting of stopworks. | (ZACK) | |
| 539 | 1b | Calibration | I-190 CAR 106 SS# 606 | Referred to Mgr. of QA for resolution. BAP 2.5 in review cycle. Resolution made by QA manager. BAP 2.5 in review cycle. Resolution made by QA manager. BAP 2.5 approved to be issued for construction 9-27-82. | (BAQA) | |
| 549 | 3 | Installation of Fire Protection | BAP 2.24 | Pending QA verification. Requires procedure change-can be closed. Requires 10% inspection to close upon procedure change. Pending lifting of SW007. | (BAPE) | |
| 555 | 3 | Review of class 1E termination cards | BAP 3.3.3 I-193 | Pending procedure change. Date due 10-1-82. BAP 3.3.3 approved; pending training to be complete 10-20-82. | (BAOA) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|---|------------|--|------------|-------------|
| 556 | 2 | Cable Engr. Calibration lab | NCR 6556 | QA awaiting disposition of NCR 6556. NCR sent to IPOA 8-19-82. NCR being verified by BAQC. | (BAPE) | |
| 562 | 1b | NCR/DR Hold Tags | CAR 88 | Item being tracked by CAR 88. Pending change & training to be completed 10-8-82. CAR 088 closed. | (BAQA) | |
| 580 | 2 | Documentation Verification req. | NCR 7285 | Pending closure of NCR 7285. NCR sent to IPQA 9-7-82. NCR being reviewed by S&L. | (S&L/BAPE) | |
| 588 | 1b | Matr'l Verification | CAR #073 | NCR & DR due 9-10-82. In process of being closed. | (BAQA) | |
| 604 | 2 | Non-safety seismic cable tray installation travelers. | | BAPE responded 10-14-82; Categorization to be completed 12-1-82; NCRs/DRs to be inputted by 6-1-83. BAPE provided status on HRS-375. | (BAPE) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|--|------------|---|---------------|----------------|
| 600 | 2 | QA Traveler Review | | BAPE to respond by 9-29-82. BAPE responded 9-28-82. BAQA rejected response. Re-response due 10-13-82. BAPE responded 10-11-82, HRS-290; 11-22-82, MM-022; C/A due 1-15-83. | (BAPE) | |
| 605 | 2 | NCR Final Review | | Response due 11-5-82. BAPE responded 11-5-82; Travelers to have applicable NCRs by 12-1-82. | (BAQA) | |
| 611 | 2 | Review of Procedures and Change notices. | | Response due 11-18-82. BAPE responded 11-10-82. | (BAQA) | |
| 613 | 2 | H.H. Robertson | E-409 | Response due 12-8-82. | (Vendor) | |
| 615 | 2 | Document Control | | Response due 11-29-82. BAPE responded 11-29-82. | (BAQA) | |
| 617 | | I-226 follow-up | | No response necessary. | | 12-06-82. |
| 618 | 2 | I-203 follow-up | | Response due 1-2-83 | (BAPE) | |

BA/SRVL

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

4 OF 4

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|--------------------------------------|------------|------------------------|---------------|----------------|
| 619 | | I-203 follow-up | | No response necessary. | | 12-08-82. |
| 620 | | I-190 follow-up CAR 106 follow-up | | No response necessary. | | 12-13-82 |
| 621 | 2 | I-219 follow-up | | Response due 1-7-83. | (BAPE) | |

NRC ITEMS OF NONCOMPLIANCE/
OPEN AND UNRESOLVED ITEMS
Total Open - 108

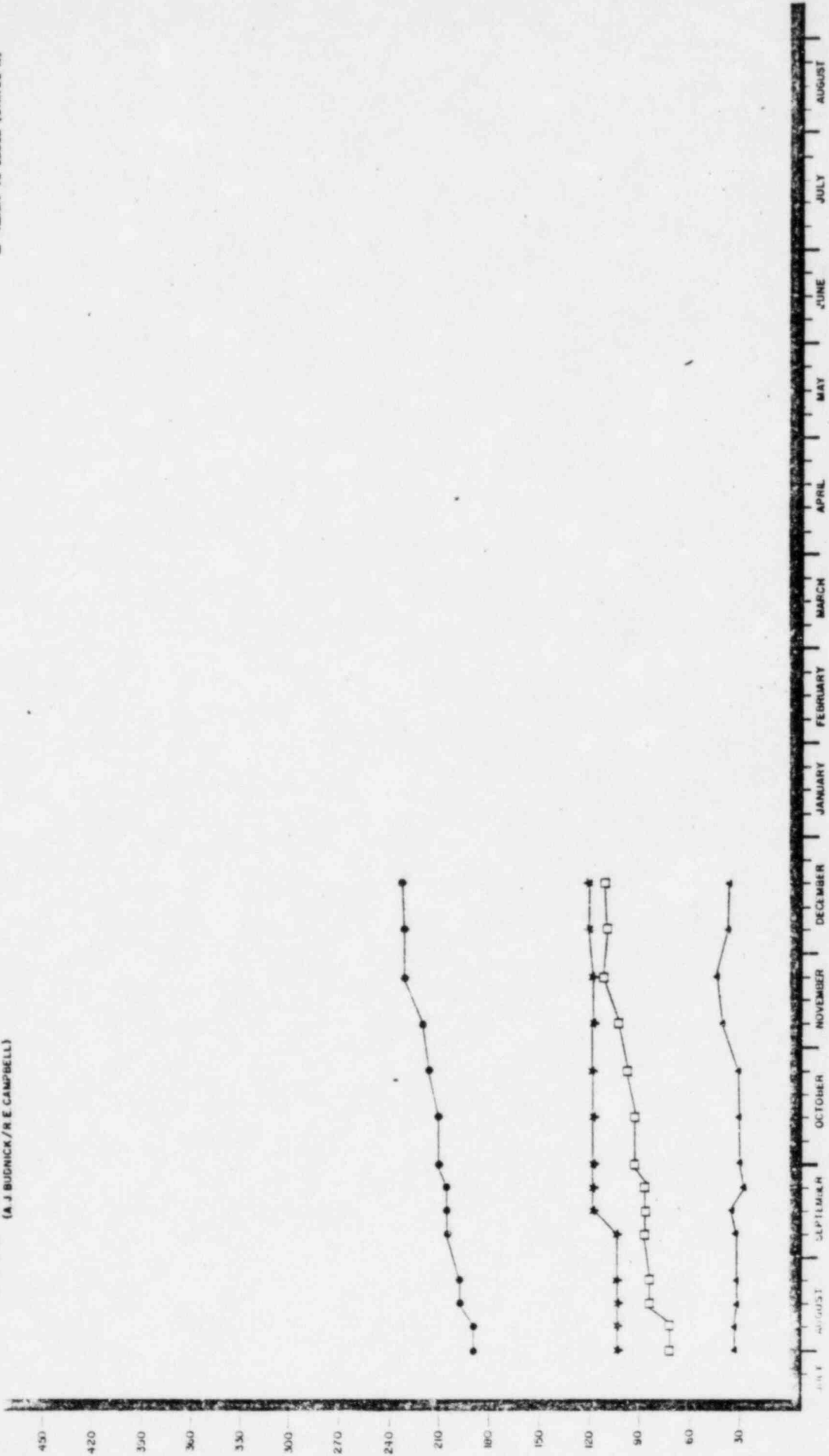
Responsible for Action:

| | | |
|---|----|-----|
| Status A (Awaiting NRC Action to Close) | | -33 |
| Status B (Long Term Corrective Action) | | -4 |
| Sargent & Lundy -80-17-01; 81-24-02 | | |
| BA Project Eng. -80-20-01 | | |
| IP CPS Plant Staff -82-06-01 | | |
| Status C (Pending NRC Evaluation) | | -24 |
| Status D (Action Required) | | -47 |
| Illinois Power Quality Assurance | -8 | |
| Illinois Power NSED | -3 | |
| Illinois Power CPS Staff | -1 | |
| Baldwin Associates Q & TS | -7 | |
| BAQA | -3 | |
| BAQC | -2 | |
| BATS | -1 | |
| BA Training | -2 | |
| Baldwin Associates Project Eng. | | -10 |
| Other | | -14 |

Open Corrective Action Response Summary

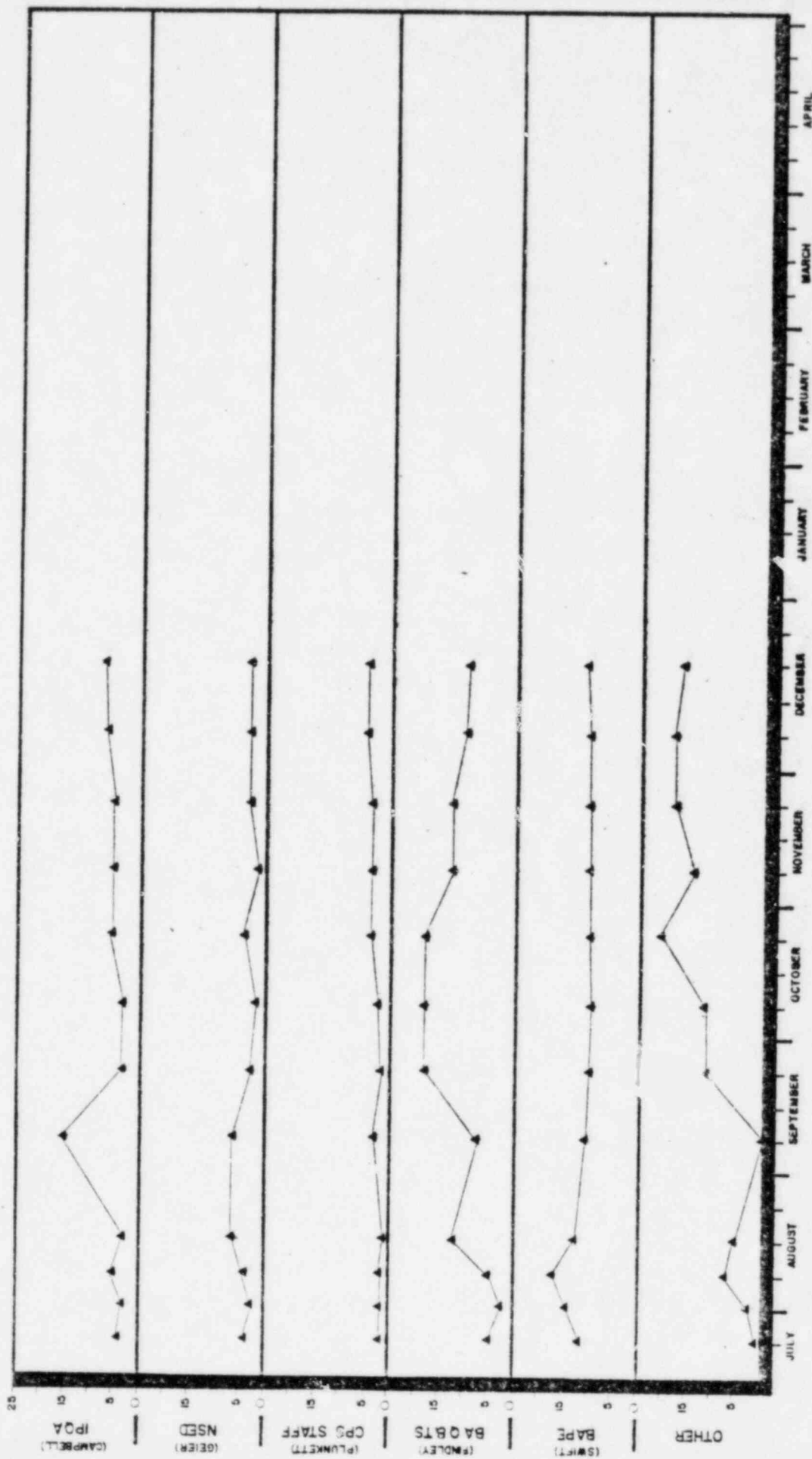
TYPE: NRC ITEMS
(A J BUDNICK / R E CAMPBELL)

- - ACCUMULATIVE TOTAL
- () - NUMBER OPEN
- * - NUMBER CLOSED
- ▲ - READY TO CLOSE (STATUS A)



Open Corrective Action Response Summary (Responsibility)

TYPE: NRC ITEMS (Status B&D)



CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|------------------|--|------------------------------|---|---------------|----------------|
| 80-17-01 | Infraction 2 | Seismic Interaction | 81-24-02 | Longterm Work Status B. | (S&L) | |
| 80-20-01 | Infraction 2 | Temporary Attachment | 50.55E 80-10 MCAR #004 | Longterm Work; Status B. | (BAPE) | |
| 80-27-01 | Unresolved 1a | Timeliness of Inspections | ARR-248 | Pending resolution of stopworks - (timeliness of inspections). Impacted by all recovery teams. | (BAQA) | |
| 80-27-02 | Unresolved 2 | Installation & Inspection Reos/ Hangers, Instru. Lines. | C-202 C-204 C-203 | IPQA/NSED to resolve Finding C-202. C-202 closed 8-31-82; C203, C204 remain to be resolved. C203 closed 11-5-82. | (BAPE) | |
| 81-02-03 | Unresolved 2 | Met. Monitoring | | IPQA to do surveillance of meteorological monitoring. Surveillance complete and identi- fied hardware problems. | (IPQA) | |

NRC

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

2 OF 11

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|-------------------|------------------------|----------------------------------|--|----------------------------|----------------|
| 81-05-15 | Non-compliance lb | As-Built Elect Hangers | BAP 3.3.8 | BA Proj. Engr. to revise as-builts. | (BAPE) | |
| 81-05-17 | Unresolved lb | Superstrut Problems | C-013 NCR 6599 | BA Proj. Engr/BAQA response necessary. | (BAQA) | |
| 81-08-01 | Non-compliance lb | S&M/Housekeeping | MCAR#001 | BA Construction - S&M House-keeping. Pending MCAR 001 closure. | (BAPE) | |
| 81-12-01 | Unresolved lb | NRC disposition. | | Response of 10-28-82 being evaluated. | (IPOA) | |
| 81-20-03 | Non-compliance lb | Adequate Procedures | ARR-382 MCAR#003 SW007 | Commitments complete/pending closure of recent elect Stop-work action. | (Electrical Recovery Team) | |
| 81-20-04 | Unresolved lb | Inspectors Conduct | ARR 425,426 QCI 102 SW-007 | Pending Elect Stopwork. | (Electrical Recovery Team) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|-------------------|--|-----------------------------------|---|----------------------------|----------------|
| 81-24-01 | Non-compliance 1b | Protection of Cable | MCAR#003 | Awaiting closure of MCAR#03 | (BA Training) | |
| 81-24-02 | Non-compliance 2 | Seismic Interaction | 80-17-01 | Longterm work Status B | (S&L) | |
| 81-25-01 | Non-compliance 1b | Storage and Maintenance | ARR-432,433 MCAR #001 C-179 | IPQA awaiting closure of MCAR #001 by Project Engineer. | (BAPE) | |
| 81-25-02 | Non-compliance 1b | QC Inspectors Not Following Procedures | SW007 | Resolution of elect. stopwork action will clean this item up. | (Electrical Recovery Team) | |
| 81-25-06 | Open 1a | HVAC Ducting and Hangers (N/S Seismic) | SW014 SW015 SW020 | Stopwork 015 is addressing the action to be taken (Zack). | (HVAC) RECOVERY TEAM) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|------------------|---|-------------------------------|--|------------------|----------------|
| 81-27-02 | Open 1b | Elect Cables | SW007 ARR 446 BAP 3.3.2 | BAPE to develop procedures/ elect stopwork/pulling of 1E cable - tension. BAPE responded 9-23-82 per HJH-027; C/A to be completed 10/1/82. Training complete. | (IPQA) | |
| 82-04-01 | Open 1a | Temp. Attachments | ARR 501 MCAR-04 | BA PE to revise procedures/ startup. BAPE responded 8-16-82 per RDF-127. | (BAPE) | |
| 82-04-02 | Unresolved 1a | FSAR tablet 3.2-1 | NCR 3248 NCR 4520 | Awaiting FSAR revision. | (NSFD) | |
| 82-05-03 | Open 2 | Design Deficiency Hydrogen Recominers | ARR 566 SW017 | BA Construction \ install repair kit for hydrogen recom- recombiner. Additional informa- tion sent to IPQA on 9-9-82, may be completed within one month of lifting S/W 017. | (BAPE) | |
| 82-06-01 | Open 2 | Training for RADCHEM Personnel | | Longterm work Status B. | (Plant Staff) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-----------|-------------------|--|------------|--|--------------------------|-------------|
| 82-02-A | Violation | Independence of QC inspectors | ARR516-1 | Response sent to NRC 11-3-82, U-0536. Training to be provided to Construction personnel by 11-30-82. | (BA Training) | |
| 82-02-B | Violation 1a | Inadequate QA program in Elect./Constr. | | Response sent to NRC 11-3-82, U-0536. Development and implementation of recovery plans. | (BAPE/ IPQA) | |
| 82-02-B.1 | Non-compliance 1a | Design not translated into procedures & drawings | ARR519-1 | Response sent to NRC by 11-3-82, U-0536. Implementation of Electrical Recovery Plans, i.e., procedure changes. | (IPQA/ BAQA/ NSED) | |
| 82-02-B.2 | Non-compliance 1a | Inadequate travelers for installing electrical penetrations. | ARR623 | Response sent to NRC on 11-3-82, U-0536. Requires training to BAP 2.0 and 2.10 by 12-31-82. | (BA Training/ BAPE/IPOA) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|---------------------------|--|--------------------------------|---|----------------------------------|----------------|
| 82-02-B.3 | Non-com- pliance 1a | QC Instructions improperly revised | ARR522-2 QCI-101 | Response sent to NRC 11-3-82, U-0536. Requires issuance and training to QCI-101 by 1-15-83. | (BAOC) | |
| 82-02-B.4 | Non-com- pliance 1a | QC receipt inspection of cable tray. | ARR524-2 | Response sent to NRC on 11-30-82, U-0536. Requires Electrical Re- covery Plan implementation; i.e., reinspection of 1E tray for galvanox. | (Electrical Recovery Team) | |
| 82-02-B.5 | Non-com- pliance 1a | Inadequate welding control | ARR627 ARR525-2 NCR 7916 | Response sent to NRC on 11-3-82, U-0536. Requires disposition of NCR 7916 by S&L. | (S&L) | |
| 82-02-B.6 | Non-com- pliance 1a | Inspection of electrical in- adequate. | ARR527-1 ARR528-1 | Response sent to NRC on 11-3-82, U-0536. Requires Electrical Recovery Plan implementation, i.e., procedural changes, training, re-inspection and over inspection. | (Electrical Recovery Team) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|------------|-------------------|--|-----------------------------------|---|-----------------|-------------|
| 82-02-B.7 | Non-compliance 1a | Storage of MOV's not verified per SMIR. | ARR530-1 MCAR-001 | Response sent to NRC on 11-3-82, U-0536. Requires implementation of MCAR #001 corrective actions. | (BAPE) | |
| 82-02-B.8 | Non-compliance 1a | NCR's not written voided, hold tags removed or not placed. | ARR 617-1, ARR 618, BAP 1.0 | Response sent to NRC 11-3-82, U-0536 Training to BAP 1.0 and 1.0.1 complete. | (BAPE/ BAQA) | |
| 82-02-B.9 | Non-compliance 1a | Prompt identification and corrective action. | | Pending resolution of NCRs 6607, 3500 and 6434. | (BAPE) | |
| 82-02-09 | Open 1a | Physical & thermal of cable tray. | ARR622 | Status C | (NRC) | |
| 82-02-B.10 | Non-compliance 1a | No audit or surveillance of DR system. | | Amended response being drafted. | (IPQA) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------------------------|--|--------------------|--|---------------|----------------|
| 82-14-01 | Open (2) | Potential Generic defect identified at River Bend. | | Being evaluated by IP NSED/Plant Staff. GE to perform seismic & load test. | (NSED) | |
| 82-14-02 | Non-com-1 pliance 1b | Testing of WE system | | Being evaluated by Plant staff. Response received 9-21-82. evaluated as inadequate by IPOA; rere-sponse due 12-9-82. | (PLANT STAFF) | |
| 82-14-03 | Unresolved 3 | 3rd Party inspection on liner, RPV pedestal. | | Being evaluated by IPQA, NSED, and S&L. | (IPOA) | |
| 82-16-01 | Open (2) | Radchem Procedures | | Pending completion of action. | (PLANT STAFF) | |
| 82-16-02 | Open (2) | FSAR changes/ Radchem Department. | | Pending completion of action. | (PLANT STAFF) | |
| 82-19-02 | Non-compl. 1a | H.H. Robertson | SW #021 ARR 769 | BAPE to respond to IPOA by 11-15-82. BAPE responded to BAQA on 11-12-82. | (IPOA) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|-------------------------------|---|---------------------|---|-----------------|----------------|
| 82-18-05 | Potential non-compl. 1a | BA Organization/ Training in BAQAM | ARR 741 | Being evaluated by BAOA. BA response received by IPQA, requires BAQAM changes. | (BAOA) | |
| 82-18-01 | Potential non-compl. 1a | Failure to follow Qual/training procedures. | ARR 742 | Being evaluated by BAO & TS, IPQA, BA. BAQC response delinquent. | (BAQC/ IPQA) | |
| 82-18-02 | Open (1b) | Certification of BA Quality personnel | ARR 745 | Being evaluated by BAO & TS. | (BAQC) | |
| 82-18-03 | Open (1b) 1b | NRC training/ quality concerns. | ARR 746- ARR 748 | Being evaluated by BAO & TS. | (IPQA) | |
| 82-ZZ-A | Potential Non-Compl. 1a | Design Control Diesel Generator | | Additional information to be provided by NSED to NRC 11-19-82. Mtg. held 11-19-82 w/NRC. | (NSED) | |

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| 82-ZZ-B | Concern 3 | S&L Surveillances by IPQA. | | See 82-ZZ-A | (IPQA) | |
| 82-ZZ-C | Potential Non-Compl. 1a. | BATS personnel qualifications for UT thickness tests. | | BATS to complete instruction by 12-24-82. | (BATS) | |
| 82-ZZ-D | Concern 3 | Socket Weld fit-up. | | Evaluation being performed; Due 11-30-82. BAPE responded 12-3-82. Status C. | (NRC) | |
| 82-ZZ-E | Concern 3 | Flow direction on ISO drawings. | | Evaluation being performed; Due 11-20-82. BAPE responded 12-3-82. | (BAPE) | |
| 82-ZZ-F | Concern 3 | Control of Weld procedure booklets. | BAP 2.0 | Evaluation being performed; Due 11-30-82. C/A to be completed 1-18-83. | (BAPE) | |

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STATUS AS OF DECEMBER 17, 1982

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|-------------|-----------------|---|------------|---|---------------|----------------|
| 82-LL-A | Concern 3 | Define "Documentation" | | Evaluation being performed; Due 12-2-82. | (IPQA) | |
| 82-LL- | Concern 3 | Telephone number distribution. | | Evaluation being performed; Due 12-2-82. CPM responded; Pending completion of action. | (CPM) | |
| 82-LM-A | Unresolved 2 | IPQA review of BA Audit/Surveillance findings for NCR/DR. | | Being evaluated by IPQA. | (IPQA) | |

10CRF50.55(e)
Total Open - 22

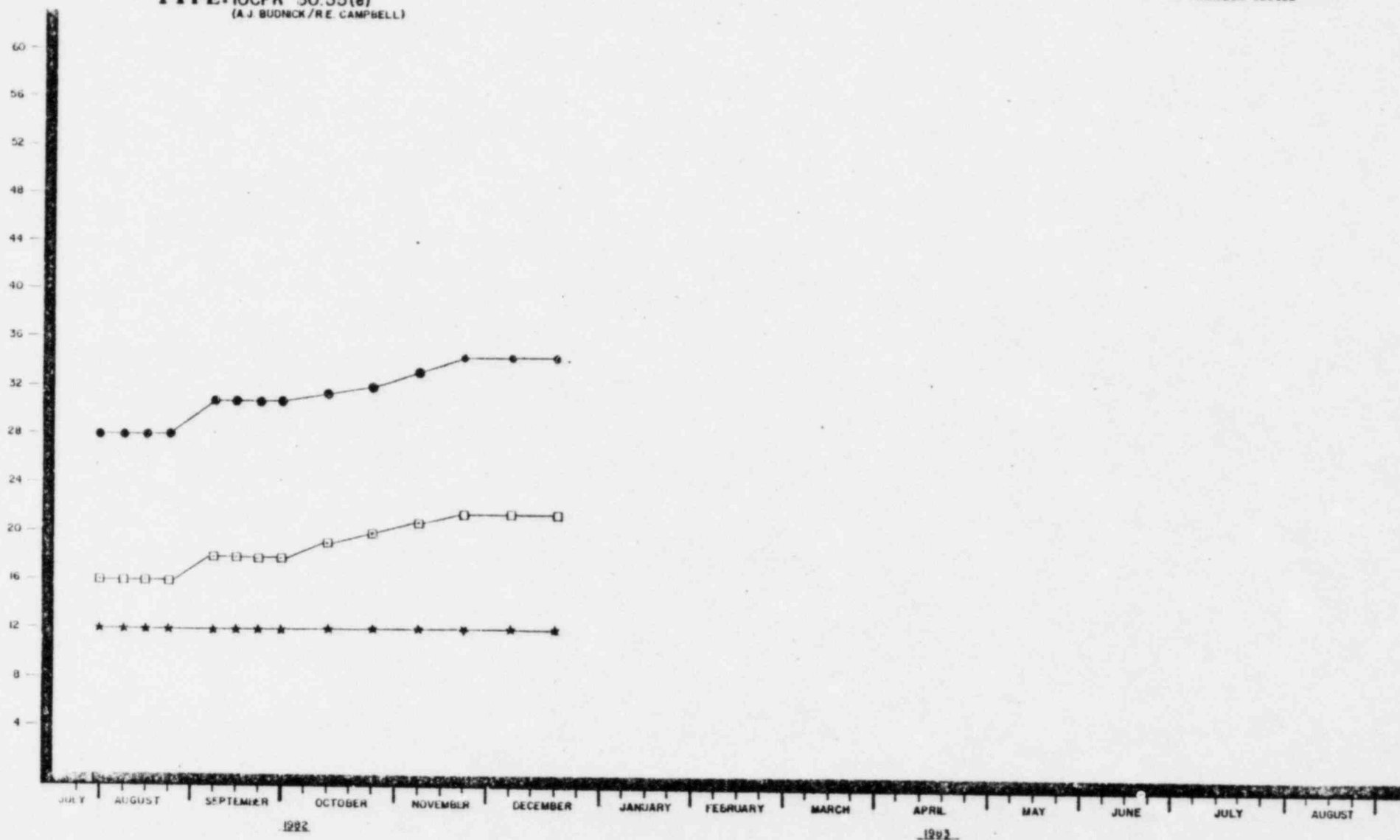
Responsible for Action:

| | |
|----------------------------------|----|
| Illinois Power Quality Assurance | -1 |
| Illinois Power NSED | -4 |
| Illinois Power CPM | -4 |
| Baldwin Associates | -5 |
| Quality Control | -2 |
| Quality Assurance | -0 |
| Project Engineering | -3 |
| Nuclear Regulatory Commission | -4 |
| Other | -4 |

Open Corrective Action Response Summary

TYPE: IOCFR 50.55(e)
(A J BUDNICK/R.E. CAMPBELL)

● - ACCUMULATIVE TOTAL
□ - NUMBER OPEN
★ - NUMBER CLOSED



CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|----------------------------------|----------------------|--|----------------------------------|----------------|
| 77-03 | 3 | Potential Loading Effects | | NSED anticipates documentation to close item in late 1982 from GE. NSED has received report and will summarize information by 1-30-83. | (NSED) | |
| 80-01 | 2 | Def. Plug Welds | NCR 6751 SWO 017 | Awaiting implementation of Commitments. NCR 6751 requires rework of repairs. Stop work 017 prevents work. | (BAPE) | |
| 80-02 | 3 | S&L Incorrect Soil Value | | Determined - non-reportable withdrawn - <u>NRC</u> responsibility. | (NRC) | |
| 80-09 | 1a | Elect Raceway Hanger Install. | SW007 | Elect. Stopwork must be closed in order to present to NRC. | (Electrical Recovery Team) | |
| 80-10 | 1a | Welding Non-safety & Safety | BAP 2.21 MCAR #04 | Awaiting implementation of commitments. BA performing audit. IPQA surveillance showed problems in this area. MCAR #04 issued. | (BAPE) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|----------------------------------|------------|---|----------------------------|-------------|
| 81-01 | 3 | M.S. Line Closure Spools | | NSED gathering supporting documentation (withdrawn). Information received. | (NRC) | |
| 81-04 | 1b | Zack Certification Documentation | | IPQA evaluating HVAC. Problems noted by IPQA - being resolved by BAQA. Interim report, U-0524 sent 8-3-82. ZACK NCR's returned to ZACK Company for resubmittal. Interim report U-10007 sent 11-3-82. Next report due 2-3-83. | (BAPE) | |
| 81-05 | 1a | Min. Separation Req./Switchgear | SW007 | Cable termination being reviewed electrical stopwork/evaluation. Pending procedural approval and development of reinspection plan. Next report due 12-17-82. Final report to NRC withdrew the potential deficiency QCI 408 requires revision. | (BAQC) | |
| 81-06 | 1a | Elect. Hanger Fittings | | Commitment not complete, IP construction expediting. | (BAQC) | |
| 82-01 | 1a | Design-Const. Elect. Hanger | SW #007 | Awaiting completion of commitments (100% re-inspection) SW007 inhibits work. | (Electrical Recovery Team) | |

CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|---------------------------------|---|---|----------------------------|----------------|
| 82-02 | 3 | Weld Rod, Non-Ferrous Mat. | | Determined - non-reportable withdrawn - NRC responsibility. | (NRC) | |
| 82-03 | 1b | Instrument Cabling | NCR 6507 SW007 | Awaiting implementation of commitments. SW007 inhibits retermination. | (Electrical Recovery Team) | |
| 82-04 | 1a | Jam Nuts | SW0 019 SW0 014 SW0 015 SW0 020 overinsp. SW0 | IPQA investigating/evaluating piping/mechanical elect/HVAC hanger/Aux Support Steel. Final report issued to NRC on 9-17-82. Stop works inhibit timely rework/reinspection of commitments. | (IPQA/BAPE/BAQC) | |
| 82-05 | 1a | Quality Control Rm. HVAC System | SW #014&015 | Clinton Project Management investigating - to - lift Stop-work #14 & #15. | (CPM) | |
| 82-06 | 1a | QC Records - Cont. S/S | SW #019 | Investigation continues to resolve this issue. Final report to NRC due 9-25-82. Sent 10-1-82. BAQC to reinspect. Reinspection (phase 2A-1) complete. | (NRC) | |

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STATUS AS OF DECEMBER 17, 1982

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|----------|----------|--|-------------------------------|--|------------|-------------|
| 82-07 | 1a | QA Program Criteria X & XVI | | IPQA performing evaluation. Interim report, U-0525 sent 8-6-82. Next report due 1-19-83. | (IPQA) | |
| 82-08 | 1a | Uncontrolled Instrument Data Sheets | ARR 720 ARR 721 ARR 723 | Being investigated by CPM BAPE responded 10-6-82. | (CPM) | |
| 82-09 | 1a | Small Bore and conduit Hanger Design Calculations | | Being investigated by NSED site. Next report due 1-1-83. Interim report sent 12-21-82. | (NSED) | |
| 82-10 | 1a | Minimum wall thick- ness violated-RHR pipe. | | Being investigated by NSED. Next report due 2-12-83. | (NSED) | |
| 82-11 | 1a | Incorrect weld proce- dure/base metal on pipe hanger traveler. | CAR 105 | Interim report sent 11-19-82. Final Report due 1-19-83. | (CPM) | |
| 82-12 | 1a | Weld interference on Sway Strut hangers. | | Interim report sent 11-20-82. Final report due 2-19-83. | (NSED) | |
| 82-13 | 1a | Detailing and fabrica- tion errors, structural steel. | | Being investigated by CPM. Next report due 12-15-82. Interim report sent 12-20-82. | (CPM) | |

10CFR Part 21
Total Open - 18

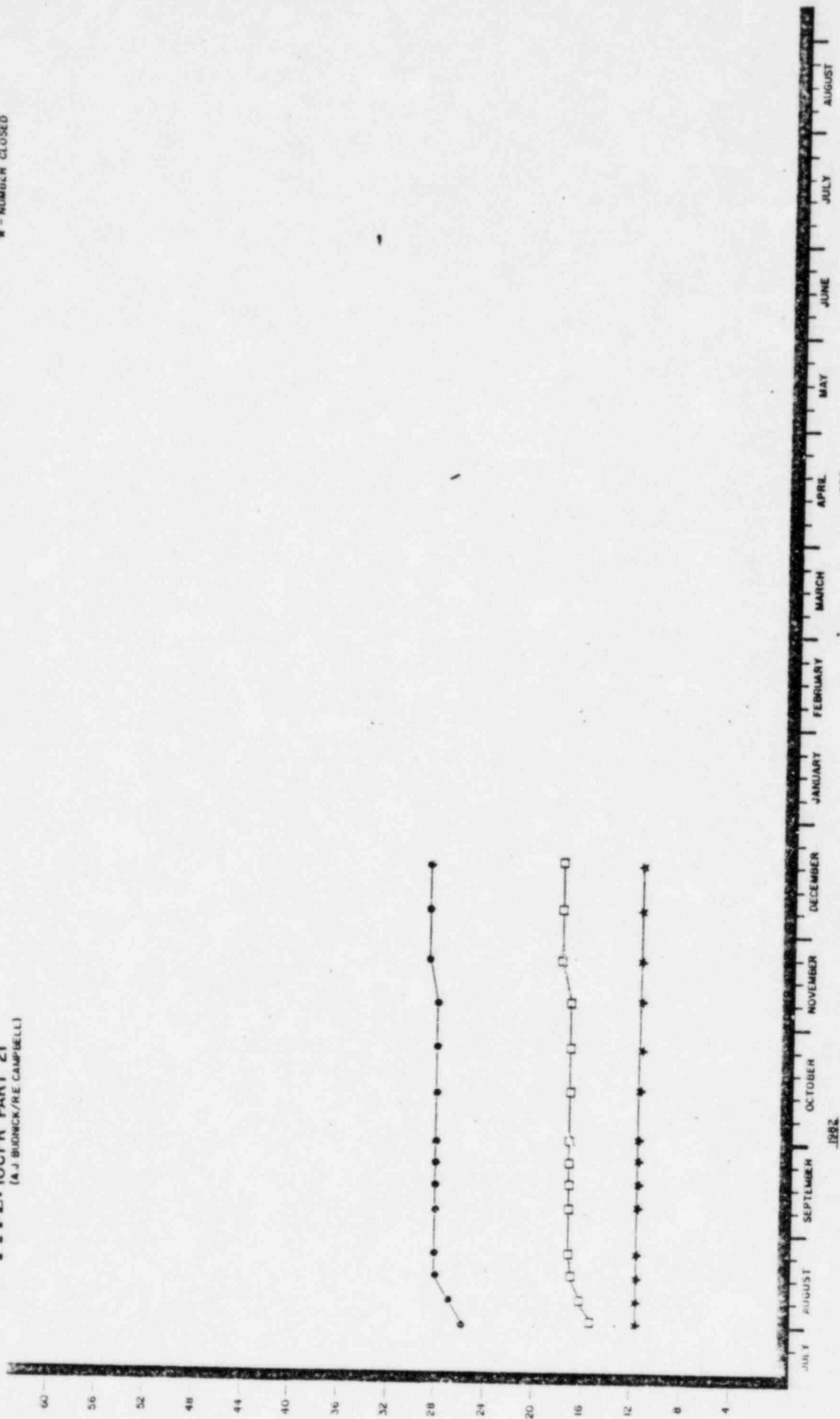
Responsible for Action:

| | |
|----------------------------------|----|
| Illinois Power Quality Assurance | -1 |
| Illinois Power NSED | -6 |
| Illinois Power CPM | -0 |
| Baldwin Associates | -4 |
| Nuclear Regulatory Commission | -3 |
| Other | -4 |

Open Corrective Action Response Summary

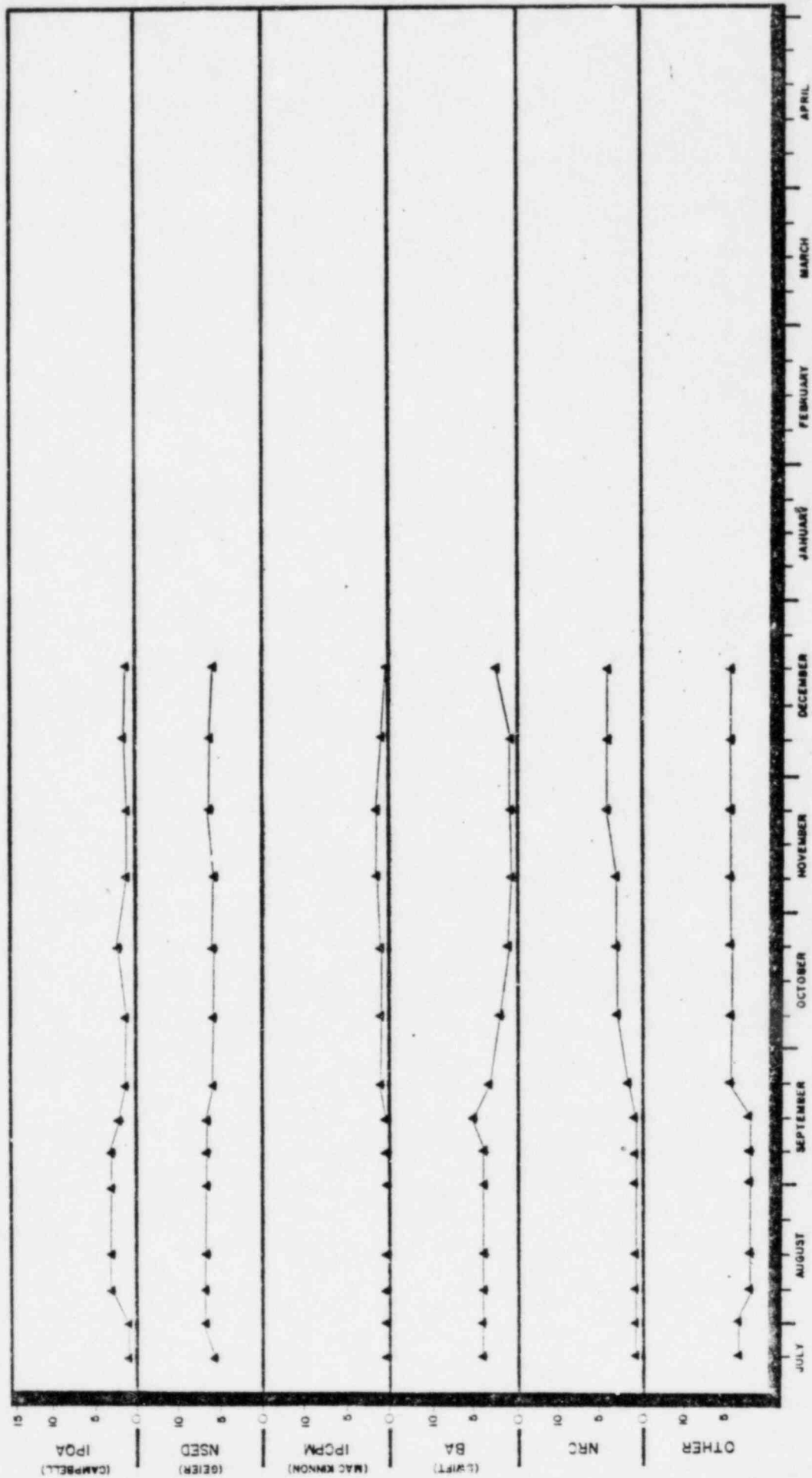
● - ACCUMULATIVE TOTAL
 () - NUMBER OPEN
 * - NUMBER CLOSED

TYPE: IOCFR PART 21
 (A J BUDNICK/RE CAMPBELL)



Open Corrective Action Response Summary (Responsibility)

TYPE: IOCFR PART 2I



CORRECTIVE ACTION MATRIX
STATUS AS OF DECEMBER 17, 1982

| ITEM NO. | PRIORITY | SUBJECT | CRCSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|-------------------------------------|------------|---|------------|-------------|
| NA | 1b | Flexible Conduit | SWO 017 | IPQA verifying completed work. C/A evaluated as inadequate. NCR issued. SWO 017 prevents work. | (BAPE) | |
| NA | 3 | Capitol Pipe Co./Tees | | Final report to NRC drafted & in review/approval. Final report sent to NRC. | (NRC) | |
| NA | 2 | HVAC Blower Units | | BA to perform work/IPQA to verify. BAPE responded 10-19-82 on MG-006. | (BAPE) | |
| NA | 3 | Coaxial Cable | NCR 4967 | Upon shipment of cable off-site, item may be presented - NRC for closure. Cable shipped. | (NRC) | |
| NA | 2 | Div. Sep. In Power Supply | | Acceptable fix to problem established. Problem to be completed early 1983. | (GE) | |
| NA | 2 | Incorrect Equipment | SWO 018 | FDI - SKJE - to replace incorrect units. Material - Mid July. Material being shipped 12-20-82. SWO 018 prevents installation. | (GE) | |
| NA | 3 | PGCC Term Modules Incorrectly Wired | | Ready to close - to be presented to NRC for closure. | (NRC) | |

CORRECTIVE ACTION MATRIX
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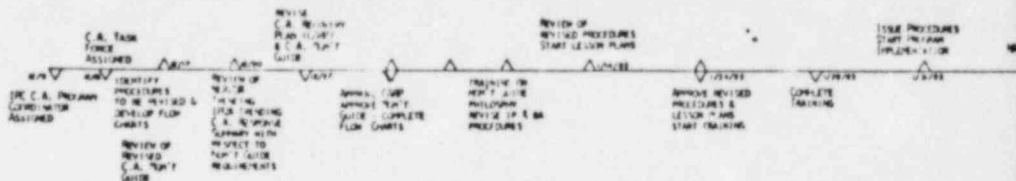
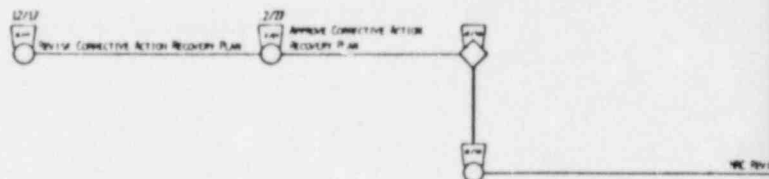
| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|----------|----------|---|------------------------------------|---|------------|-------------|
| NA | 2 | Jumpers Misplaced/ NSPS LDC Plugs | IPC Procurement Stop Work | Completion of work pending receipt of correct jumper material. Pending lift of procurements stop work. | (IP Staff) | |
| NA | 2 | Defect in Micro Computer Circuit Boards | | IPC to install at turnover, scheduled for early 1983. | (IP Staff) | |
| NA | 2 | Cell cracks in Batteries | SW017 | Evaluation being conducted. Impacted by SW017 | (NSED) | |
| NA | 2 | Breaker & Bus Support Failures | | Evaluation being performed/GE to provide necessary information. | (NSED) | |
| NA | 2 | Improper-Breaker Interference | | Evaluation being performed. IPSU to perform inspection of breakers; awaiting instruction booklet from vendor. | (NSED) | |
| NA | 2 | Control Switches in the A.D.S. System. | Condition Rpt. 1-82- 10-028. | Evaluation being performed by NSED. | (NSED) | |

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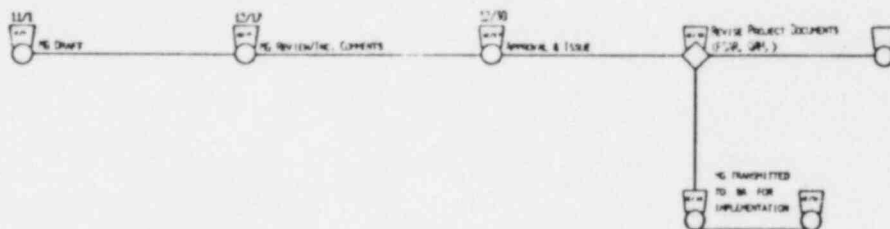
| ITEM NO. | PRIORITY | SUBJECT | CROSS REF. | STATUS | RESP. ORG. | CLOSED DATE |
|-------------|----------|--------------------------|----------------------|---|---------------|----------------|
| NA | 2 | Slip Contact Failure | | Evaluation being performed by S&L. | (NSED) | |
| NA | 2 | Seepage From Cable | | Evaluation being performed. | (NSED) | |
| NA | 1a | NSPs Circuit Cards | | Evaluation being performed. | (NSED) | |
| NA | 2 | HFA Relays | SWO 017 | Evaluation done - FDI-SKKQ requires rework by BA. | (BAPE) | |
| NA | 2 | Weld Records Zack Co. | C-81-069 C-81-070 | Evaluation being performed. withdrawn by ZACK on 9-14-82. Awaiting resolution of findings C-82-069,-070. | (BAPE) | |

PAGE 1 of 2

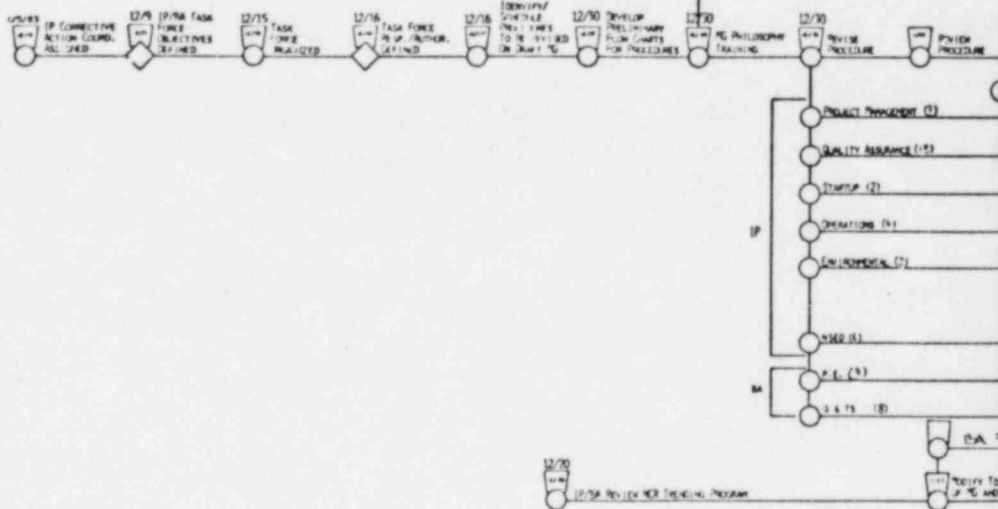
SUMMARY

CORRECTIVE ACTION
RECOVERY PLAN

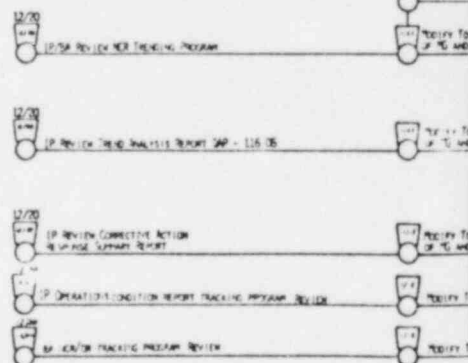
MANAGEMENT GUIDE

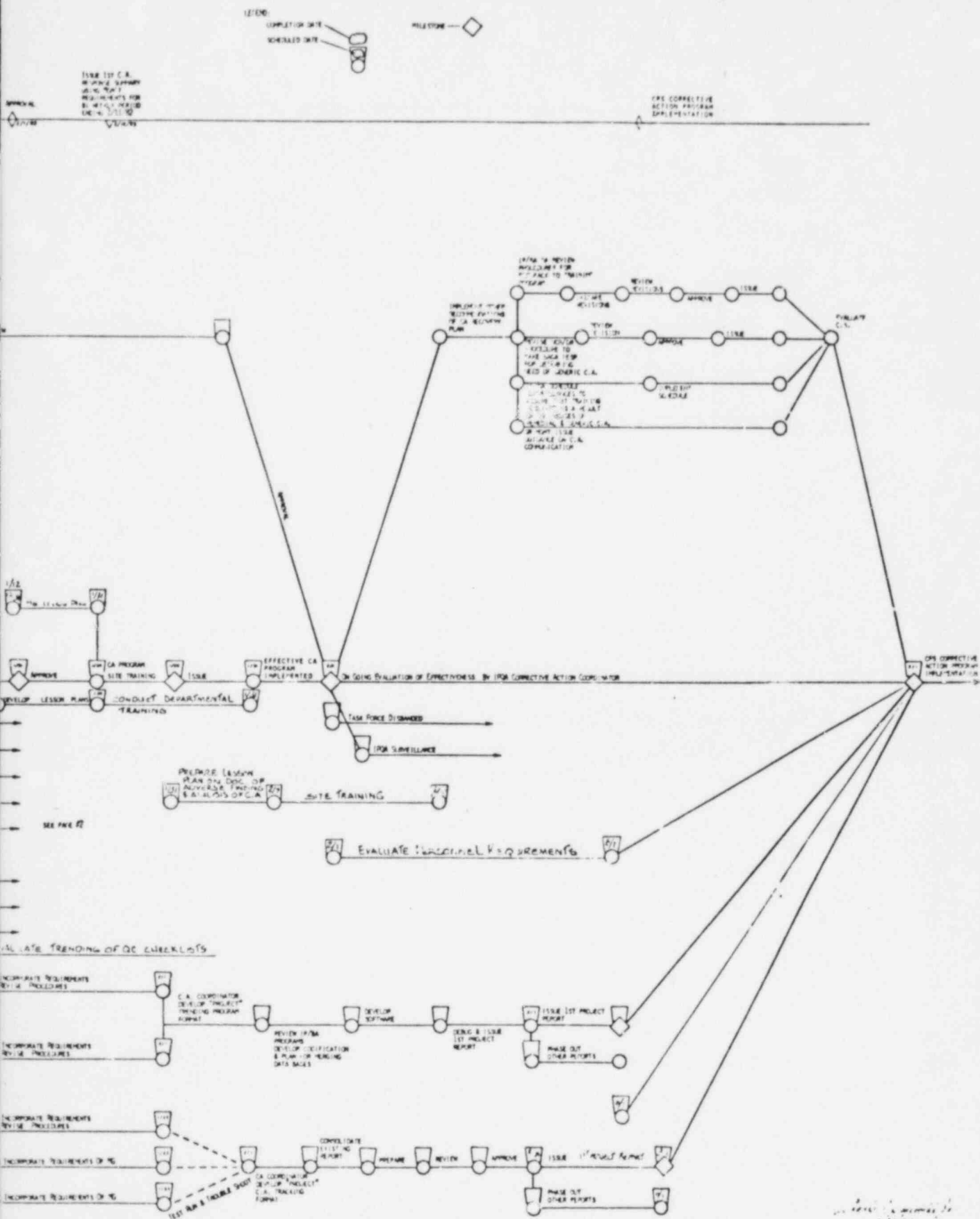


MANPOWER & PROCEDURES



REPORTS





F E R

QAP-118.07 - Independent Audit of IPQA

GAP 1616.01N - Compliance Processing Of CPS
Condition Reports

D.0 - Processing NCMR's

SAP 1.12 - External Audit Reports

3QAI-160-7 - Trend Analysis Of Adverse Findings

START ○ REVIEW ○ APPROVED △ ISSUED □ COMPLETE ●