

ILLINOIS POWER COMPANY
QUALITY ASSURANCE INSTRUCTIONS

QAI - 710.09

Revision 3

TITLE: OVERINSPECTION EVALUATION PROGRAM

Scope of Revision:

Revision 3: Major Rewrite - Rewritten because the sample results, (accept/reject criteria) are evaluated in accordance with the new 95-5 and 95-15 limits depicted in attachments QAI 710.09F05 and QAI 710.09F06.

QAI 710.09A01 superceded by 710.09F05 and 710.09F06.

QAI 710.09F02 and 710.09F03 deleted.

QAI 710.09F04 revised - removed switching requirements.

QAI 710.09F05, 710.09F06 added.

DRAFT**INFORMATION ONLY**

SIGNATURES

	Rev. 3	Rev. 4	Rev. 5
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Manager - QA Approval:			
Approval Date:			

1.0 PURPOSE/SCOPE

1.1 Purpose

This instruction establishes the methods used to evaluate the results of the Illinois Power (IP) Company Overinspection Program.

1.2 Scope

This instruction applies to all installed safety related, augmented Class D, fire protection, and seismic HVAC systems, items, or components.

2.0 DISCUSSION/DEFINITIONS

2.1 Discussion

- 2.1.1 The overinspection (OI) results will provide the data for the evaluation of hardware acceptability and the Baldwin Associates (BA) quality decision process. The results of these evaluations may also be used to reduce or modify checklist attributes, as appropriate. Attributes may be reinstated based on input from the Corrective Action Program or as requested by the IP Manager of Quality Assurance.
- 2.1.2 All nonconformances detected during the OI process shall be documented on a Nonconformance Report (NCR) in accordance with Reference 6.1.
- 2.1.3 Reports will be prepared and distributed to the following personnel:
 - ° IP Vice President
 - ° IP Manager of Quality Assurance
 - ° IP Director of Quality Systems and Audits
 - ° IP Director of Quality Engineering and Verification
 - ° IP Director, Design Engineering
 - ° IP Central Records File

° BA Manager - Quality & Technical Services

2.2 Definitions

None

3.0 RESPONSIBILITIES

3.1 The Supervisor-Welding, NDE and Testing is responsible for the implementation of the Overinspection Programs and for issuance of report(s) in accordance with para. 4.3.

3.2 The OI QA Analyst is responsible for:

- a) Collecting and forwarding Evaluation Analysis Data to the Programs and Procedures Group for computer input.
- b) Coordinating and preparing reports.

3.3 The Supervisor-Quality Systems is responsible for:

- a) Computer support of the Overinspection Program including input of overinspection data and providing computer print-outs to the IPOI QA Analyst on request.
- b) A root cause investigation being performed when an adverse trend is identified by the Corrective Action Program per reference 6.3.

3.4 The Discipline Overinspection Supervisor (DOIS) is responsible for reviewing all overinspection reports and completed checklists for accuracy prior to data input.

4.0 INSTRUCTIONS

4.1 Data Input

4.1.1 On completion of each OI Report, the information contained on the OI Report and checklist(s) as applicable is prepared by the QA Analyst and entered into the computer by Quality Systems.

4.1.2 Upon completion of data entry for all OI reports of a lot, a computer printout will be issued to IPOI which will be

used to develop a report documenting the results of overinspection activities.

4.2 Evaluation

The assembled data shall be reviewed by the QA Analyst as follows:

- 4.2.1 One hundred percent Inspection - Determine the total number of critical and non-critical attributes inspected, calculate the percent accepted, and provide other information required per paragraph 4.3.3. No further evaluation is required, except comments or conclusions as appropriate.
- 4.2.2 Sample Inspection - In addition to the above, a confidence statement shall be included in accordance with para. 4.3.4.

4.3 Reports

- 4.3.1 A preliminary report for each lot shall be developed and issued when the lot has been overinspected completed but contains NCRs. If none are written, proceed to para. 4.3.2.
- 4.3.2 A final report for each lot overinspected shall be developed and issued when all NCRs pertaining to the lot have been dispositioned and/or the lot does not contain NCRs.
- 4.3.3 The report(s) shall identify the following:
 - ° Master Lot Number
 - ° Discipline (mechanical, electrical, HVAC, etc.)
 - ° Number of critical and non-critical attributes inspected
 - ° Number of critical and non-critical attributes accepted
 - ° Calculated percent for accepted critical and non-critical attributes

° Comparison of calculated percents against 95% (critical) and 85% (non-critical) guidelines

° Conclusions and/or recommendations as appropriate

4.3.4 If sampling has been utilized, the report shall include confirmation of 95% confidence having been reached that 5% or less of the critical and 15% or less of the non-critical attributes in the uninspected portion are unsatisfactory. This is accomplished by comparison of the total attributes inspected and the total unsatisfactory attributes found against the 95-5 and 95-15 limits depicted in Appendices 7.2 and 7.3. If these limits are not exceeded, the lot is accepted. If these limits are exceeded, proceed to paragraph 4.3.5.

4.3.5 If sampling has been utilized but does not meet acceptance criteria, the Supervisor-Welding, NDE and Testing shall return the subject lot to BA for reverification and development of a corrective action plan.

4.4 Reduction of Checklist Attributes

4.4.1 The OI Checklist may be revised based upon evaluation of the overall results. Specific inspection attributes may be deleted provided the following criteria are met:

° The specific attribute has been inspected in at least ten consecutive overinspection lots

AND

° Found acceptable in a minimum of 300 consecutive inspections

AND

° Found acceptable in four different areas or buildings

4.4.2 Provided the criteria for reduction of attributes specified in 4.4.1 has been satisfied, the justification for reduction shall be documented on Appendix 7.1 and submitted to the Manager-IPQA for approval.

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- 4.4.3 Upon approval by the Manager-IPQA, a revision to the checklist shall be initiated in accordance with Reference 6.2 to delete the attribute. Until the revised checklist is issued, the attribute(s) will not be overinspected. The N/A column for the attribute(s) shall be checked and the approved termination form request number shall be entered in the objective evidence block.

5.0 RECORDS

- 5.1 Records as defined in Reference 6.5 shall be processed in accordance with Reference 6.4.

- 5.1.1 Overinspection documents are designated Record Type 4126.6-L.

6.0 REFERENCES

- 6.1 QAI-710.06, OVERINSPECTION NONCONFORMANCE INSTRUCTIONS
- 6.2 QAP-105.01, PREPARATION, REVIEW, APPROVAL, REVISION, AND CANCELLATION OF QUALITY ASSURANCE PROCEDURES/INSTRUCTIONS
- 6.3 QAP-116.06, QUALITY ASSURANCE COMPUTERIZED TREND PROGRAM
- 6.4 QAP-117.01, RECORDS CONTROL
- 6.5 QAI-710.02, DOCUMENTATION IDENTIFICATION, ISSUING AND TRACKING

7.0 APPENDICES/DOCUMENTS

- 7.1 QAI-710.09F04 OVERINSPECTION PROGRAM NOTIFICATION OF TERMINATION OF CHECKLIST ATTRIBUTES
- 7.2 QAI-710.09F05, 95-5 Criterion
- 7.3 QAI-710.09F06, 95-15 Criterion

OVERINSPECTION PROGRAM
NOTIFICATION OF TERMINATION OF
CHECKLIST ATTRIBUTES

QAI- 710.09F04

Revision 1

Date

Termination of Checklist Attribute(s)

Date

Request #

Termination of Attribute(s) as identified herein is requested.

Discipline

IP OI Checklist QAI-710. Rev

Checklist Title

Attribute

Checklist attribute number(s) to be deleted

Justification

The above attribute(s) has/have been overinspected sequentially in the following ten lots

in areas

a total of times with no rejections.

Initiated by OI/QA Analyst Date

Reviewed by Supervisor-Welding NDE & Testing Date

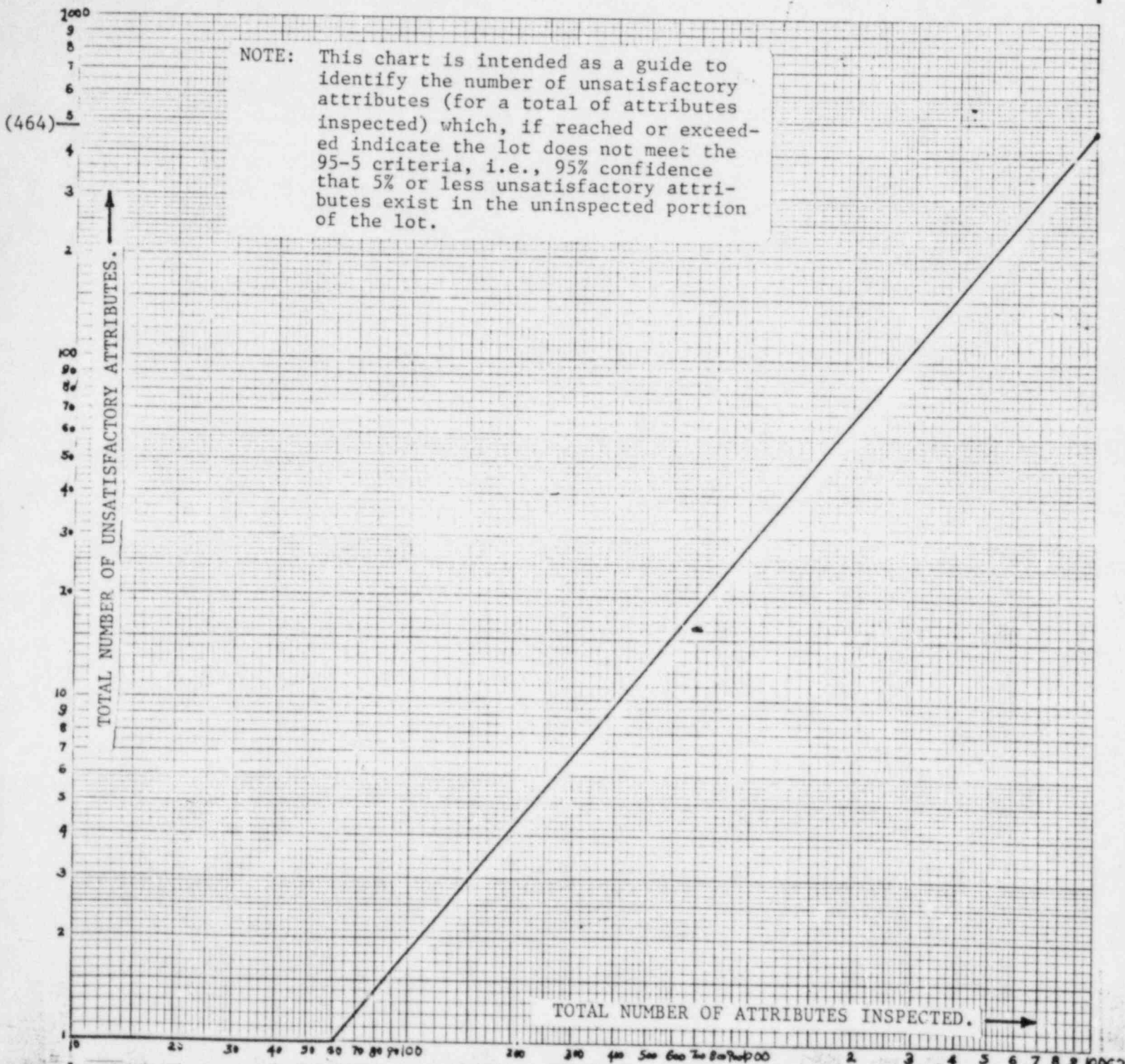
Approval Manager-IPQA Date

95 - 5 CRITERIA

QAI- 710.09F05

Revision 0

Date



95 - 15 CRITERIA

QAI- 710.09F06

Revision 0

Date

