

New- ASME

- Rev 9/11/84 Rev-0 June 14

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CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION	PREPARED BY: <u>LMB</u> <u>W. J. M. M. M.</u> <u>4/14/84</u> DATE			
	APPROVED BY: <u>83</u> <u>P. Vega</u> <u>4/16/84</u> DATE			

1.0 REFERENCES

1-A TUGCO/TUSI CPSES QA Plan

1-B CP-QAP-3.1, "S&R Site QA"

2.0 GENERAL

The purpose of this document is to outline the organizational structure as well as individual duties and responsibilities of the CPSES Site Quality Assurance/Quality Control staff during the construction phase. This procedure is not directly applicable to activities under the jurisdiction of the ASME Code, Section III, Division 1.

3.0 PROCEDURE

3.1 TUGCO SITE QUALITY ASSURANCE MANAGER

The duties and responsibilities of the Site (Construction) QA Manager are defined in Reference 1-A. These duties and responsibilities are implemented through the organizational structure depicted in Figure 1 and as described in this document.

3.2 TUGCO QUALITY CONTROL SUPERVISOR

The Quality Control Supervisor reports to the Site Quality Assurance Manager and is responsible for the following Quality Assurance/Control functions:

- a. Review, and comment of quality and construction procedures/instructions. Approval of quality procedures as requested by the TUGCO Site QA Manager. Approval of quality instructions requested by Quality Engineering Supervisor.

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b.

Coordination with the CPSES Construction and Engineering Groups to assure that inspection planning is completed in a timely manner.

c.

Provide basic indoctrination and required training for assigned quality control personnel.

d.

Represent the Site QA Manager in his absence.

e.

Has the authority to stop specific work activities pending disposition of quality related problems.

f.

Identify, document and when assigned, verify corrective action to deficiencies and nonconformances.

3.3

B&R SITE QA MANAGER

The specific duties and responsibilities of the B&R Site QA Manager, relative to ASME functions, are described in Reference 1-B. Additionally, this position provides administrative support for B&R personnel assigned to the functional groups described herein.

3.4

STAFF

Staff personnel assist the Site Quality Assurance Manager as requested. Basic functions include:

a.

Involvement in regulatory and licensing matters.

b.

Assist in labor and personnel administrative issues.

c.

Provide basic technical training as requested.

d.

Special Projects as assigned.

3.5

QUALITY ASSURANCE SUPERVISOR

The QA Supervisor is responsible to the Site QA Manager for the following Quality Assurance and Records Management functions:

a.

Review, and comment of quality and construction Procedures/Instructions, as requested. Approval of quality procedures as requested by the Site QA Manager. Approval of quality instructions as requested by Quality Engineering Supervisor.

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<ul style="list-style-type: none"> b. Coordination with the CPSES Construction and Engineering groups in his areas of responsibility. c. Provide basic indoctrination and required technical training for Quality Assurance personnel in his areas of responsibility. d. Assist and/or represent the Site QA Manager as requested. e. Supervise the planning and administration of the TUGCO QA Construction/Startup/Turnover surveillance program. f. Assist the Site QA Manager in resolution of NRC matters, as requested. g. Schedule and implement Quality Assurance activities in areas of responsibility. h. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances. i. Has the authority to stop specific work activities pending disposition of quality related problems. j. Responsible for interviewing QA/QC personnel upon departure from the QA/QC organization and for follow up of this program. k. Assure that required Code Data Forms for CPSES design and installation activities have been completed in a timely manner. l. Identify and assure resolution of record deficiencies. m. Assist in the development and implementation of the CPSES QA Record program. n. Assist in the reportings of significant condition to the NRC 10CFR50.55(e), NRC Report items, SDAR's and OER's. o. Coordinate activities between Permanent Plant Records Vault and CPSES Automated Records Management System (ARMS) personnel to assure record retrieval. 				

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3.6 QUALITY ENGINEERING SUPERVISOR

The Quality Engineering Supervisor is responsible for Quality Engineering activities assigned to his group. Individual duties and responsibilities include:

- a. Development and/or approval of Quality Procedures and Instructions.
- b. Review and comment of engineering and construction procedures/instructions.
- c. Coordination with Engineering, Construction and Quality Control personnel in planning work activities.
- d. Provides technical direction and support to Quality Control personnel for the resolution of quality problems.
- e. Provides training and certification of QC personnel as requested.
- f. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances.
- g. Review and approval of Construction procedures and instructions.
- h. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.
- i. Assure compliance of site procurement activities to established CPSES QA requirements.
- j. Monitor selected activities for compliance with project requirements.
- k. Review and approval of Construction Travelers and nonconformance reports.

3.7 BUILDING QC SUPERVISORS

In October 1983, a Construction Management Organizational Concept was established for the completion of Unit 1 and Common Buildings. Building QC Supervisors assigned to this concept report directly to the QC Supervisor and have the following duties and responsibilities.

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- a. Review and comment of quality and construction procedures/instructions.
- b. Schedule and implement Quality Control activities.
- c. Assure that assigned QC personnel are trained and certified to perform inspection and testing functions in accordance with established requirements.
- d. Has the authority to stop specific work activities pending disposition of quality related problems.
- e. Coordination with the CPSES Construction and Engineering groups to assure inspection planning is completed in a timely manner.
- f. Approval of rework, standard repair, and scrap dispositions of nonconformance reports, subject to subsequent review and concurrence by Quality Engineering.
- g. Review and approval of inspected item removal notices.
- h. Review and approval of construction travelers subject to subsequent review and concurrence by Quality Engineering.

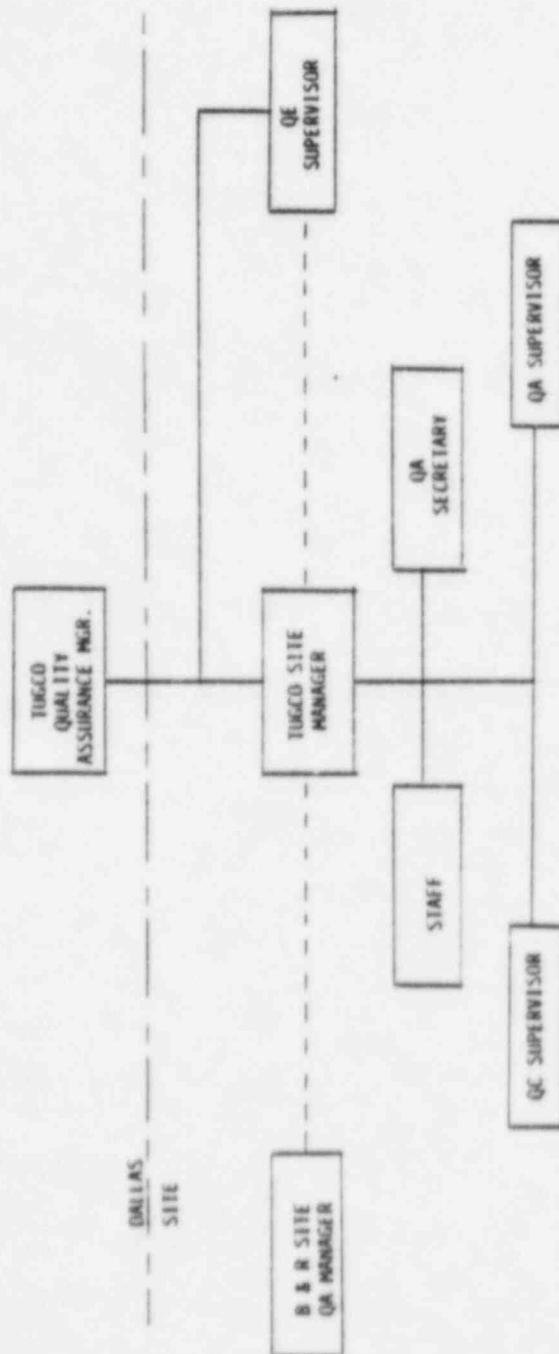
3.8 QA SECRETARY

The QA Secretary provides basic secretarial/clerical support for the Site QA Supervisor and staff personnel and has the following specific duties and responsibilities:

- a. Establish and maintain files relative to Nuclear Regulatory Commission (NRC) inspection reports, bulletins, etc.
- b. Establish and maintain files relative to formal and informal reports by TUGCO to the NRC concerning significant construction deficiencies within the requirements of 10CFR 50.55 (e).
- c. Supervise assigned clerical personnel.

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FIGURE 1



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CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION	PREPARED BY: <u>[Signature]</u> 1-3-84 DATE APPROVED BY: <u>[Signature]</u> 1/3/84 DATE			
1.0 <u>REFERENCES</u> 1-A TUGCO/TUSI CPSES QA Plan 1-B CP-QAP-3.1, "B&R Site QA Organization" 2.0 <u>GENERAL</u> The purpose of this document is to outline the organizational structure as well as individual duties and responsibilities of the CPSES Site Quality Assurance/Quality Control staff during the construction phase. This procedure is not directly applicable to activities under the jurisdiction of the ASME Code, Section III, Division 1. 3.0 <u>PROCEDURE</u> 3.1 TUGCO SITE QUALITY ASSURANCE SUPERVISOR The duties and responsibilities of the Site (Construction) QA Supervisor are defined in Reference 1-A. These duties and responsibilities are implemented through the organizational structure depicted in Figure 1 and as described in this document. 3.2 TUGCO ASSISTANT SITE QUALITY ASSURANCE SUPERVISOR The Assistant Site Quality Assurance Supervisor reports to the Site Quality Assurance Supervisor and is responsible for the following Quality Assurance/Control functions: a. Review, comment and/or approval of quality and construction procedures/instructions. b. Coordination with the CPSES Construction and Engineering Groups to assure that inspection planning is completed in a timely manner.	FOR INFORMATION ONLY REC-1			

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- b. Coordination with the CPSES Construction and Engineering groups in his areas of responsibility.
- c. Provide basic indoctrination and required technical training for Quality Assurance personnel in his areas of responsibility.
- d. Assure compliance of site procurement activities to established CPSES QA requirements.
- e. Assist and/or represent the Site QA Supervisor as requested.
- f. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.
- g. Assist the Site QA Supervisor in resolution of NRC matters, as requested.
- h. Schedule and implement Quality Assurance activities in areas of responsibility.
- i. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances.
- j. Has the authority to stop specific work activities pending disposition of quality related problems.
- k. Monitor selected activities for compliance with project requirements, as assigned.
- l. Assure or accomplish necessary research of Codes, Standards and Specifications for technical record requirements and identify specific records to these requirements in a manner consistent with the Startup Schedule.
- m. Assure that required Code Data Forms for CPSES design and installation activities have been completed in a timely manner.
- n. Identify and assure resolution of record deficiencies.
- o. Assist in the development and implementation of the CPSES QA Record program.

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- c. Provide basic indoctrination and required training for assigned quality control personnel.
- d. Represent the Site QA Supervisor in his absence.
- e. Has the authority to stop specific work activities pending disposition of quality related problems.
- f. Identify, document and when assigned, verify corrective action to deficiencies and nonconformances.

NOTE: The Assistant Site Quality Assurance Supervisor functions are basically relative to Unit 2 except for Paragraph 3.2.d above.

3.3 B&R SITE QA MANAGER

The specific duties and responsibilities of the B&R Site QA Manager, relative to ASME functions, are described in Reference 1-B. Additionally, this position provides administrative support for B&R personnel assigned to the functional groups described herein.

3.4 STAFF

Staff personnel assist the Site Quality Assurance Supervisor as requested. Basic functions include:

- a. Involvement in regulatory and licensing matters.
- b. Assist in labor and personnel administrative issues.
- c. Provide basic technical training as requested.
- d. Assist in the overall management of the ASME Code Certification Program.

3.5 QUALITY ASSURANCE SUPERVISOR

The QA Supervisor is responsible to the Site QA Supervisor for the following Quality Assurance and Records Management functions:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions, as requested.

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- p. Coordinate activities between Permanent Plant Records Vault and CPSES Automated Records Management System (ARMS) personnel to assure record retrieval.

3.6 QUALITY ASSURANCE SPECIALISTS SUPERVISOR

The Quality Assurance Specialists Supervisor is responsible for the coordination of Quality Assurance activities assigned to this group and for Quality Control activities for Unit 2.

Individual duties and responsibilities include:

- a. Monitor, verify and/or inspect installed piping to assure "as-built" piping drawing accuracy.
- b. Develop and implement selected verification programs.
- c. Develop and implement the design change verification program.
- d. From Nov. 1983 forward, has direct responsibility for supervision of clerical personnel handling QC Records for Unit 2 up to the point of transmittal to the Construction QA Records Vault and coordinator for flow of QC Records for Unit 1 and Common.
- e. Provides the issuance and control of QA Procedures/Instructions.
- f. Implement Quality Control activities for Unit 2.

3.7 UNIT 2 QUALITY CONTROL SUPERVISOR

The Unit 2 Quality Control Supervisor is responsible for the supervision of Quality Control functions in his areas of responsibility. Individual duties and responsibilities include:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions, as requested.
- b. Coordination with the CPSES Construction and Engineering groups to assure that inspection planning is completed in a timely manner.
- c. Provide basic indoctrination and required technical training for assigned Quality Control personnel.

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- d. Schedule and implement Quality Control activities.
- e. Assure that assigned QC personnel are trained and qualified to perform testing or inspection functions in accordance with established requirements.
- f. Has the authority to stop specific work activities pending disposition of quality related problems.

3.8 QUALITY ENGINEERING SUPERVISOR

The Quality Engineering Supervisor is responsible for Quality Engineering activities assigned to his group. Individual duties and responsibilities include:

- a. Development and/or approval of Quality Procedures/Instructions.
- b. Review and comment of engineering and construction procedures/instructions.
- c. Coordination with Engineering, Construction and Quality Control personnel in planning work activities.
- d. Provides technical direction and support to Quality Control personnel for the resolution of quality problems.
- e. Provides training and certification of QC personnel as requested.
- f. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances.
- g. Review disposition of nonconforming items for accuracy and resolution.

3.9 BUILDING QC SUPERVISORS

In October 1983, a Construction Management Organizational Concept was established for the completion of Unit 1 and Common Buildings. QC Supervisors assigned to this concept report directly to the Site QA Supervisor and have the following duties and responsibilities.

- a. Review and comment of quality and construction procedures/instructions.

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- b. Schedule and implement Quality Control activities.
- c. Assure that assigned QC personnel are trained and certified to perform inspection and testing functions in accordance with established requirements.
- d. Has the authority to stop specific work activities pending disposition of quality related problems.
- e. Coordination with the CPSES Construction and Engineering groups to assure inspection planning is completed in a timely manner.
- f. Approval of rework, standard repair, and scrap dispositions of nonconformance reports.
- g. Review and approval of construction travelers and item removal notices.

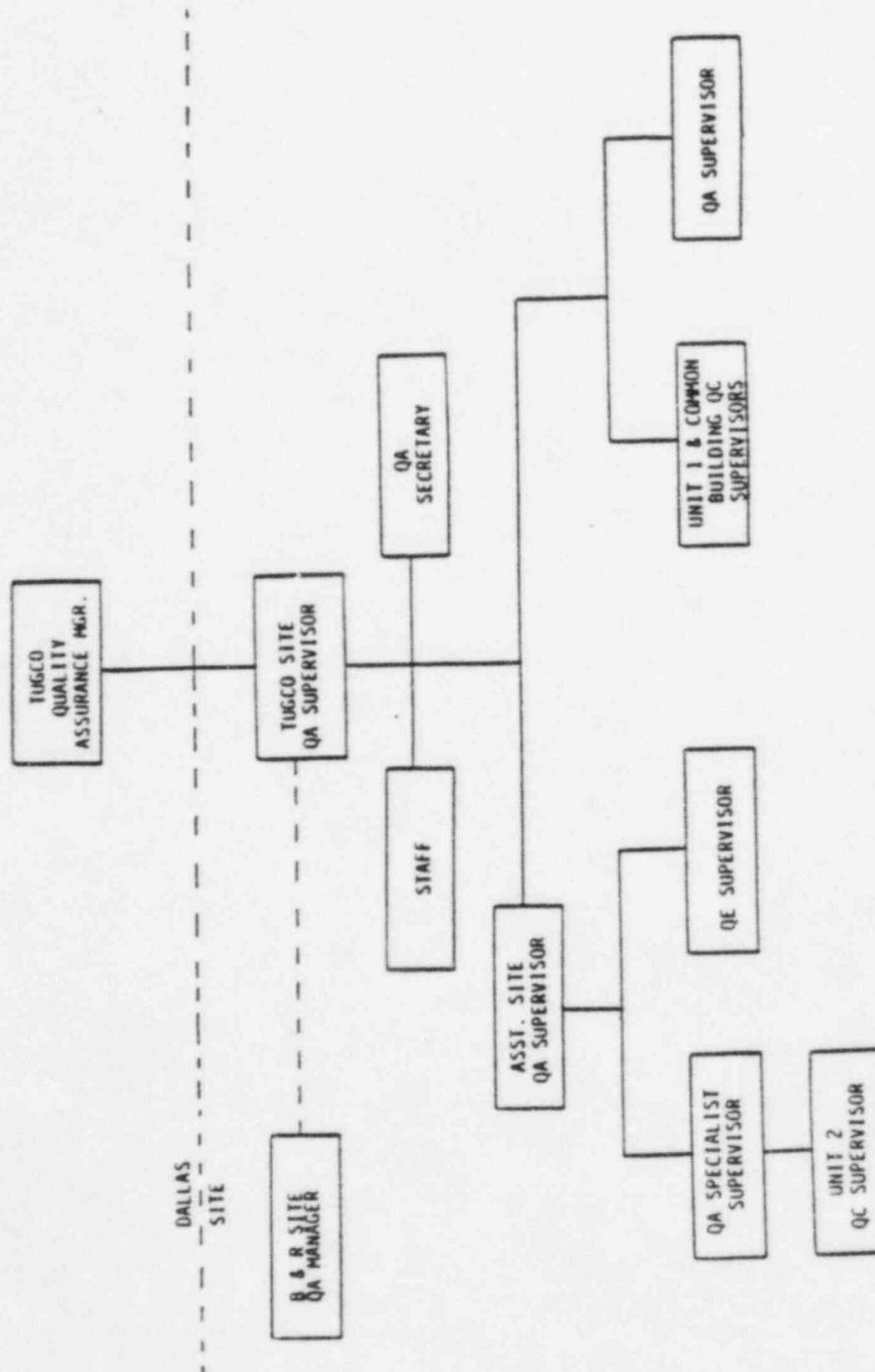
3.10 QA SECRETARY

The QA Secretary provides basic secretarial/clerical support for the Site QA Supervisor and staff personnel and has the following specific duties and responsibilities:

- a. Establish and maintain files relative to Nuclear Regulatory Commission (NRC) inspection reports, bulletins, etc.
- b. Establish and maintain files relative to formal and informal reports by TUGCO to the NRC concerning significant construction deficiencies within the requirements of 10CFR 50.55 (e).
- c. Supervise assigned clerical personnel.

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FIGURE 1



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CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION	PREPARED BY: <u>B. C. Scott</u>		<u>11/23/85</u> DATE	
	APPROVED BY: <u>R. A. Tolson</u>		<u>11/23/83</u> DATE	

1.0 REFERENCES

- 1-A TUGCO/TUSI CPSES QA Plan
- 1-B CP-QAP-3.1, "B&R Site QA Organization"

2.0 GENERAL

The purpose of this document is to outline the organizational structure as well as individual duties and responsibilities of the CPSES Site Quality Assurance/Quality Control staff during the construction phase. This procedure is not directly applicable to activities under the jurisdiction of the ASME Code, Section III, Division 1.

3.0 PROCEDURE

3.1 TUGCO SITE QUALITY ASSURANCE SUPERVISOR

The duties and responsibilities of the Site (Construction) QA Supervisor are defined in Reference 1-A. These duties and responsibilities are implemented through the organizational structure depicted in Figure 1 and as described in this document.

3.2 TUGCO ASSISTANT SITE QUALITY ASSURANCE SUPERVISOR

The Assistant Site Quality Assurance Supervisor reports to the Site Quality Assurance Supervisor and is responsible for the following Quality Assurance/Control functions:

- Review, comment and/or approval of quality and construction procedures/instructions.
- Coordination with the CPSES Construction and Engineering Groups to assure that inspection planning is completed in a timely manner.

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- c. Provide basic indoctrination and required training for assigned quality control personnel.
- d. Represent the Site QA Supervisor in his absence.
- e. Has the authority to stop specific work activities pending disposition of quality related problems.
- f. Identify, document and when assigned, verify corrective action to deficiencies and nonconformances.

NOTE: The Assistant Site Quality Assurance Supervisor functions are basically relative to Unit 2 except for Paragraph 3.2.d above.

3.3 B&R SITE QA MANAGER

The specific duties and responsibilities of the B&R Site QA Manager, relative to ASME functions, are described in Reference 1-8. Additionally, this position provides administrative support for B&R personnel assigned to the functional groups described herein.

3.4 STAFF

Staff personnel assist the Site Quality Assurance Supervisor as requested. Basic functions include:

- a. Involvement in regulatory and licensing matters.
- b. Assist in labor and personnel administrative issues.
- c. Provide basic technical training as requested.
- d. Assist in the overall management of the ASME Code Certification Program.

3.5 QUALITY ASSURANCE SUPERVISOR

The QA Supervisor is responsible to the Site QA Supervisor for the following Quality Assurance functions:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions, as requested.

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- b. Coordination with the CPSES Construction and Engineering groups in his areas of responsibility.
- c. Provide basic indoctrination and required technical training for Quality Assurance personnel in his areas of responsibility.
- d. Assure compliance of site procurement activities to established CPSES QA requirements.
- e. Assist and/or represent the Site QA Supervisor as requested.
- f. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.
- g. Assist the Site QA Supervisor in resolution of NRC matters, as requested.
- h. Schedule and implement Quality Assurance activities in areas of responsibility.
- i. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances.
- j. Has the authority to stop specific work activities pending disposition of quality related problems.
- k. Monitor selected activities for compliance with project requirements, as assigned.

3.6

UNIT 2 QUALITY CONTROL SUPERVISOR

The Unit 2 Quality Control Supervisor is responsible for the supervision of Quality Control functions in his areas of responsibility. Individual duties and responsibilities include:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions, as requested.
- b. Coordination with the CPSES Construction and Engineering groups to assure that inspection planning is completed in a timely manner.

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- c. Provide basic indoctrination and required technical training for assigned Quality Control personnel.
- d. Schedule and implement Quality Control activities.
- e. Assure that assigned QC personnel are trained and qualified to perform testing or inspection functions in accordance with established requirements.
- f. Has the authority to stop specific work activities pending disposition of quality related problems.

3.7 QUALITY ASSURANCE SPECIALISTS SUPERVISOR

The Quality Assurance Specialists Supervisor is responsible for the coordination of Quality Assurance activities assigned to this group.

Individual duties and responsibilities include:

- a. Monitor, verify and/or inspect installed piping to assure "as-built" piping drawing accuracy.
- b. Develop and implement selected verification programs.
- c. Develop and implement the design change verification program.
- d. From Nov. 1983 forward, has direct responsibility for supervision of clerical personnel handling QC Records up to the point of transmittal to the Construction QA Records Vault.
- e. Provides the issuance and control of QA Procedures/Instructions.

3.8 RECORDS MANAGEMENT SUPERVISOR

The Records Management Supervisor is responsible for the supervision of records management functions. Individual duties and responsibilities include:

- a. Assure or accomplish necessary research of Codes, Standards and Specifications for technical record requirements and identify specific records to these requirements in a manner consistent with the Startup Schedule.

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- b. Assure that required Code Data Forms for CPSES design and installation activities have been completed in a timely manner.
- c. Identify and assure resolution of record deficiencies.
- d. Assist in the development and implementation of the CPSES QA Record program.
- e. Coordinate activities between Permanent Plant Records Vault and CPSES Automated Records Management System (ARMS) personnel to assure record retrieval.

3.9 QUALITY ENGINEERING SUPERVISOR

The Quality Engineering Supervisor is responsible for Quality Engineering activities assigned to his group. Individual duties and responsibilities include:

- a. Development and/or approval of Quality Procedures/Instructions.
- b. Review and comment of engineering and construction procedures/instructions.
- c. Coordination with Engineering, Construction and Quality Control personnel in planning work activities.
- d. Provides technical direction and support to Quality Control personnel for the resolution of quality problems.
- e. Provides training and certification of QC personnel as requested.
- f. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances.
- g. Review disposition of nonconforming items for accuracy and resolution.

3.10 BUILDING QC SUPERVISORS

In October 1983, a Construction Management Organizational Concept was established for the completion of Unit 1 and Common Buildings. QC Supervisors assigned to this concept report directly to the Site QA Supervisor and have the following duties and responsibilities.

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- a. Review and comment of quality and construction procedures/instructions.
- b. Schedule and implement Quality Control activities.
- c. Assure that assigned QC personnel are trained and certified to perform inspection and testing functions in accordance with established requirements.
- d. Has the authority to stop specific work activities pending disposition of quality related problems.
- e. Coordination with the CPSES Construction and Engineering groups to assure inspection planning is completed in a timely manner.
- f. Approval of rework, standard repair, and scrap dispositions of nonconformance reports.
- g. Review and approval of construction travelers and item removal notices.

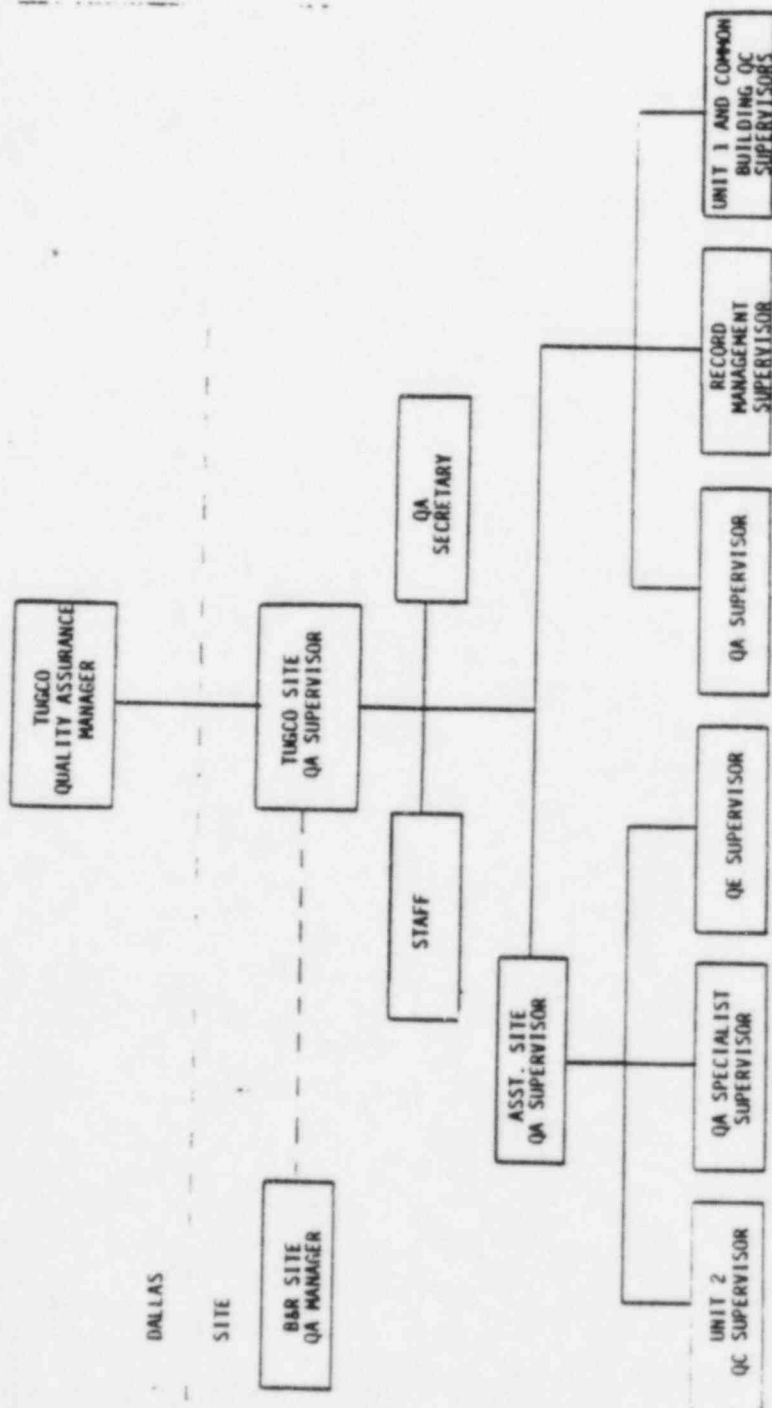
3.11 QA SECRETARY

The QA Secretary provides basic secretarial/clerical support for the Site QA Supervisor and staff personnel and has the following specific duties and responsibilities:

- a. Establish and maintain files relative to Nuclear Regulatory Commission (NRC) inspection reports, bulletins, etc.
- b. Establish and maintain files relative to formal and informal reports by TUGCO to the NRC concerning significant construction deficiencies within the requirements of 10CFR 50.55 (e).
- c. Supervise assigned clerical personnel.

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FIGURE 1



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CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION	PREPARED BY: <u>B. L. Scott</u>	11/15/83 DATE		
	APPROVED BY: <u>B. L. Scott</u> <u>R. L. Tolson</u>	11/15/83 DATE		

1.0 REFERENCES

- 1-A TUGCO/TUSI CPSES QA Plan
- 1-B CP-QAP-3.1, "B&R Site QA Organization"

2.0 GENERAL

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3.0 PROCEDURE

3.1 TUGCO SITE QUALITY ASSURANCE SUPERVISOR

The duties and responsibilities of the Site (Construction) QA Supervisor are defined in Reference 1-A. These duties and responsibilities are implemented through the organizational structure depicted in Figure 1 and as described in this document.

3.2 B&R SITE QA MANAGER

The specific duties and responsibilities of the B&R Site QA Manager, relative to ASME functions, are described in Reference 1-B. Additionally, this position provides administrative support for B&R personnel assigned to the functional groups described herein.

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3.3 NON-ASME QUALITY ASSURANCE SUPERVISOR

The QA Supervisor is responsible to the Site QA Supervisor for the following Quality Assurance functions:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions, as requested.
- b. Coordination with the CPSES Construction and Engineering groups in his areas of responsibility.
- c. Provide basic indoctrination and required technical training for Quality Assurance personnel in his areas of responsibility.
- d. Assure compliance of site procurement activities to established CPSES QA requirements.
- e. Assist and/or represent the Site QA Supervisor as requested. Represent the Site QA Supervisor in his absence.
- f. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.
- g. Assist the Site QA Supervisor in resolution of NRC matters, as requested.
- h. Schedule and implement Quality Assurance activities in areas of responsibility.
- i. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances.
- j. Has the authority to stop specific work activities pending disposition of quality related problems.
- k. Monitor selected activities for compliance with project requirements, as assigned.

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3.4 NON-ASME QA/QC SUPERVISOR

The Quality Control Supervisor is responsible for the supervision of Quality Assurance/Control functions in his areas of responsibility. Individual duties and responsibilities include:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions, as requested.
- b. Coordination with the CPSES Construction and Engineering groups to assure that inspection planning is completed in a timely manner.
- c. Provide basic indoctrination and required technical training for assigned Quality Control personnel.
- d. Assist and/or represent the Site QA Supervisor as requested.
- e. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.
- f. Assist the Site QA Supervisor in resolution of NRC matters, as requested.
- g. Assist the Site QA Supervisor in the overall management of the ASME Code Certification Program.
- h. Schedule and implement Quality Control activities.
- i. Assure that assigned QC personnel are trained and qualified to perform testing or inspection functions in accordance with established requirements.
- j. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances.
- k. Has the authority to stop specific work activities pending disposition of quality related problems.
- l. Monitor selected activities for compliance with project requirements, as assigned.

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3.5 QUALITY ASSURANCE SPECIALISTS SUPERVISOR

The Quality Assurance Specialists Supervisor is responsible for the coordination of Quality Assurance activities assigned to this group.

Individual duties and responsibilities include:

- a. Monitor, verify and/or inspect installed piping to assure "as-built" piping drawing accuracy.
- b. Develop and implement selected verification programs.
- c. Develop and implement the design change verification program.
- d. From Nov. 1983 forward, has direct responsibility for supervision of clerical personnel handling QC Records up to the point of transmittal to the Construction QA Records Vault.

3.6 RECORDS MANAGEMENT SUPERVISOR

The Records Management Supervisor is responsible for the supervision of records management functions. Individual duties and responsibilities include:

- a. Assure or accomplish necessary research of Codes, Standards and Specifications for technical record requirements and identify specific records to these requirements in a manner consistent with the Startup Schedule.
- b. Assure that required Code Data Forms for CPSES design and installation activities have been completed in a timely manner.
- c. Identify and assure resolution of record deficiencies.
- d. Assist in the development and implementation of the CPSES QA Record program.
- e. Coordinate activities between Permanent Plant Records Vault and CPSES Automated Records Management System (ARMS) personnel to assure record retrieval.

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3.7 BUILDING QC SUPERVISORS

In October 1983, a Construction Management Organizational Concept was established for the completion of Unit 1 and Common Buildings. QC Supervisors assigned to this concept report directly to the Site QA Supervisor and have the following duties and responsibilities.

- a. Review and comment of quality and construction procedures/instructions.
- b. Schedule and implement Quality Control activities.
- c. Assure that assigned QC personnel are trained and certified to perform inspection and testing functions in accordance with established requirements.
- d. Has the authority to stop specific work activities pending disposition of quality related problems.
- e. Coordination with the CPSES Construction and Engineering groups to assure inspection planning is completed in a timely manner.
- f. Approval of rework, standard repair, and scrap dispositions of nonconformance reports.
- g. Review and approval of construction travelers and item removal notices.

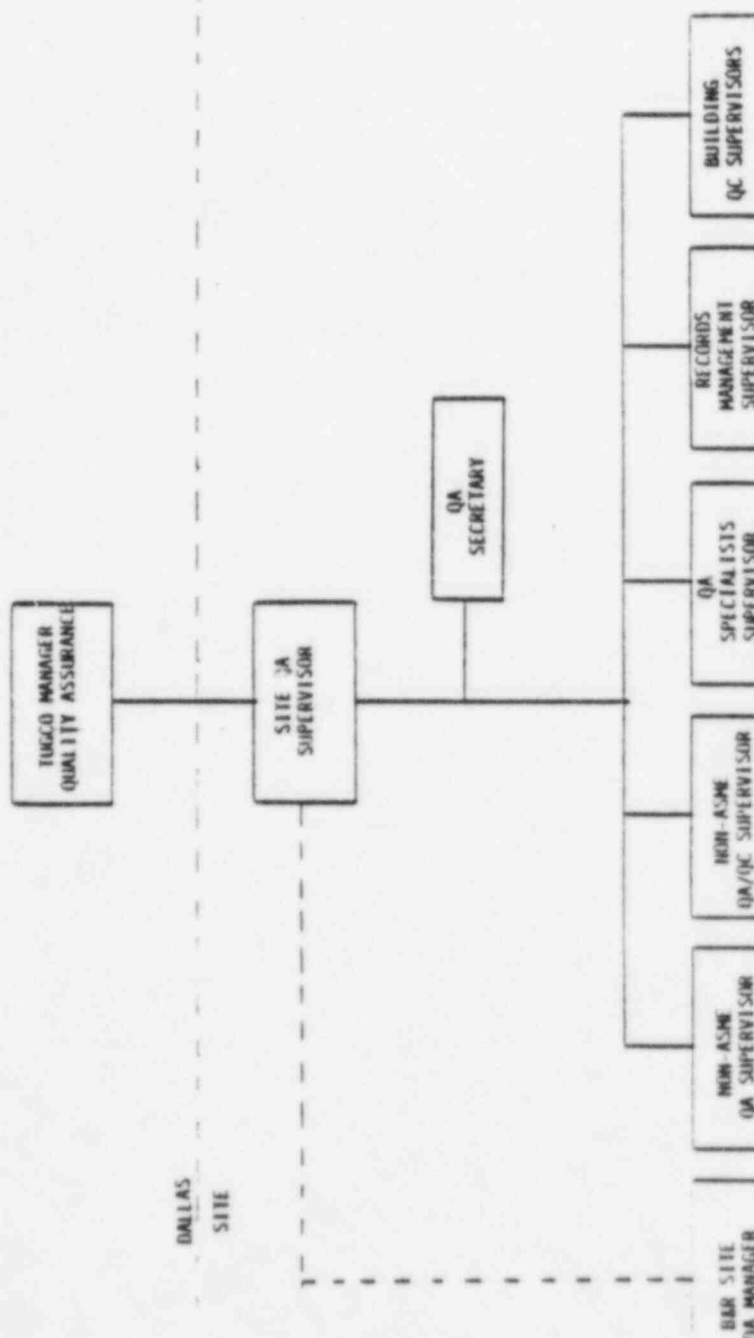
3.8 QA SECRETARY

The QA Secretary provides basic secretarial/clerical support for the Site QA Supervisor and staff personnel and has the following specific duties and responsibilities:

- a. Establish and maintain files relative to Nuclear Regulatory Commission (NRC) inspection reports, bulletins, etc.
- b. Establish and maintain files relative to formal and informal reports by TUGCO to the NRC concerning significant construction deficiencies within the requirements of 10CFR 50.55 (e).
- c. Supervise assigned clerical personnel.

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ATTACHMENT 1



TEXAS UTILITIES GENERATING CO CPSES	PROCEDURE NUMBER	REVISION	ISSUE DATE	PAGE
	CP-QP-3.0	10	OCT 12 1983	1 of 6
CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION	PREPARED BY: <u>[Signature]</u> 10/11/83 DATE			
	APPROVED BY: <u>[Signature]</u> 10/11/83 DATE			

1.0 REFERENCES

1-A TUGCO/TUSI CPSES QA Plan

1-B CP-QAP-3.1, B&R

2.0 GENERAL

The purpose of this document is to outline the organizational structure as well as individual duties and responsibilities of the CPSES Site Quality Assurance/Quality Control staff during the construction phase. This procedure is not directly applicable to activities under the jurisdiction of the ASME Code, Section III, Division 1.

3.0 PROCEDURE

3.1 TUGCO SITE QUALITY ASSURANCE SUPERVISOR

The duties and responsibilities of the Site (Construction) QA Supervisor are defined in Reference 1-A. These duties and responsibilities are implemented through the organizational structure depicted in Figure 1 and as described in this document.

3.2 B&R PROJECT QA MANAGER

The specific duties and responsibilities of the B&R Site QA Manager, relative to ASME functions, are described in Reference 1-B. Additionally, this position provides administrative support for B&R personnel assigned to the functional groups described herein.

FOR INFORMATION ONLY
HISTORICAL FILE ONLY

TEXAS UTILITIES GENERATING CO. CPSES	PROCEDURE NUMBER	REVISION	ISSUE DATE	PAGE
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3.3 NON-ASME QUALITY ASSURANCE SUPERVISOR

The QA Supervisor is responsible to the Site QA Supervisor for the following Quality Assurance functions:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions, as requested.
- b. Coordination with the CPSES Construction and Engineering groups in his areas of responsibility.
- c. Provide basic indoctrination and required technical training for Quality Assurance personnel in his areas of responsibility.
- d. Assure compliance of site procurement activities to established CPSES QA requirements.
- e. Assist and/or represent the Site QA Supervisor as requested. Represent the Site QA Supervisor in his absence.
- f. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.
- g. Assist the Site QA Supervisor in resolution of NRC matters, as requested.
- h. Schedule and implement Quality Assurance activities in areas of responsibility.
- i. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances.
- j. Has the authority to stop specific work activities pending disposition of quality related problems.
- k. Monitor selected activities for compliance with project requirements, as assigned.

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3.4 NON-ASME QA/QC SUPERVISOR

The Quality Control Supervisor is responsible for the supervision of Quality Assurance/Control functions in his areas of responsibility. Individual duties and responsibilities include:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions, as requested.
- b. Coordination with the CPSES Construction and Engineering groups to assure that inspection planning is completed in a timely manner.
- c. Provide basic indoctrination and required technical training for assigned Quality Control personnel.
- d. Assist and/or represent the Site QA Supervisor as requested.
- e. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.
- f. Assist the Site QA Supervisor in resolution of NRC matters, as requested.
- g. Assist the Site QA Supervisor in the overall management of the ASME Code Certification Program.
- h. Schedule and implement Quality Control activities.
- i. Assure that assigned QC personnel are trained and qualified to perform testing or inspection functions in accordance with established requirements.
- j. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances.
- k. Has the authority to stop specific work activities pending disposition of quality related problems.
- l. Monitor selected activities for compliance with project requirements, as assigned.

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3.5 QUALITY ASSURANCE SPECIALISTS SUPERVISOR

The Quality Assurance Specialists Supervisor is responsible for the coordination of Quality Assurance activities assigned to this group.

Individual duties and responsibilities of this group include:

- a. Monitor, verify and/or inspect installed piping to assure "as-built" piping drawing accuracy.
- b. Monitor, verify and inspect "as installed" electrical cable and raceway systems to assure drawing accuracy.
- c. Develop and implement selected verification programs.
- d. Develop and implement the design change verification program.

3.6 RECORDS MANAGEMENT SUPERVISOR

The Records Management Supervisor is responsible for the supervision of records management functions. Individual duties and responsibilities include:

- a. Assure or accomplish necessary research of Codes, Standards and Specifications for technical record requirements and identify specific records to these requirements in a manner consistent with the Startup Schedule.
- b. Assure that required Code Data Forms for CPSES design and installation activities have been completed in a timely manner.
- c. Identify and assure resolution of record deficiencies.
- d. Assist in the development and implementation of the CPSES QA Record program.
- e. Coordinate activities between Permanent Plant Records Vault and CPSES Automated Records Management System (ARMS) personnel to assure record retrieval.

3.7 QA SECRETARY

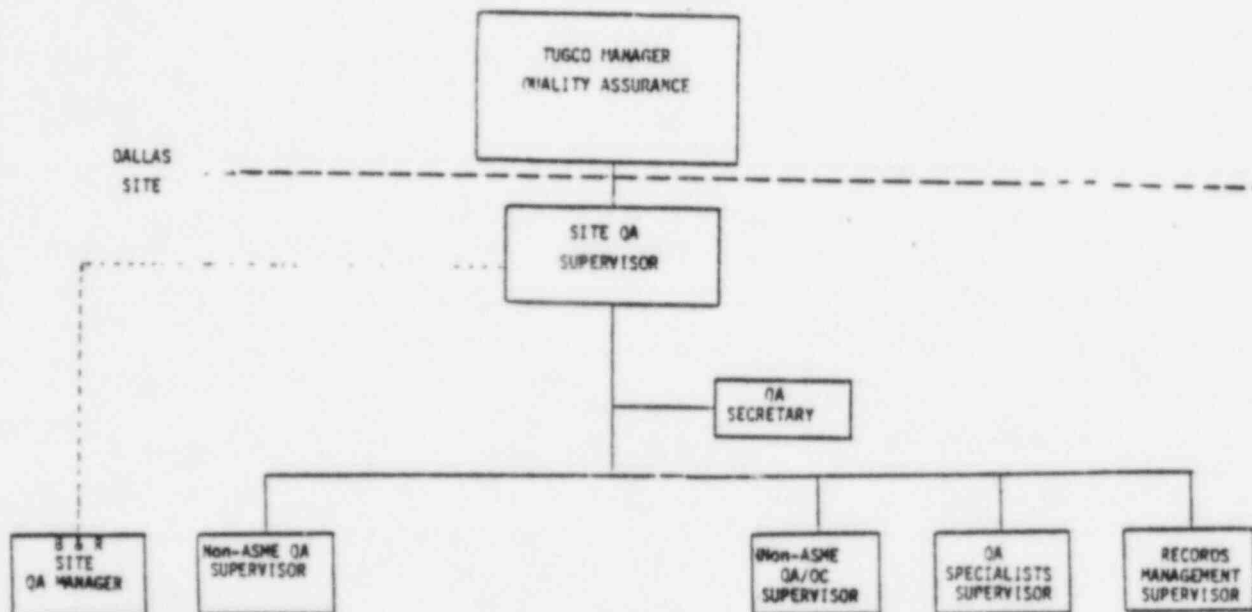
The QA Secretary provides basic secretarial/clerical support for the Site QA Supervisor and staff personnel and has the following specific duties and responsibilities:

TEXAS UTILITIES GENERATING CO. CPSES	PROCEDURE NUMBER	REVISION	ISSUE DATE	PAGE
	CP-QP-3.0	10	OCT 12 1983	5 of 6

- a. Establish and maintain files relative to Nuclear Regulatory Commission (NRC) inspection reports, bulletins, etc.
- b. Establish and maintain files relative to formal and informal reports by TUGCO to the NRC concerning significant construction deficiencies within the requirements of 10CFR 50.55 (e).
- c. Supervise assigned clerical personnel.

TEXAS UTILITIES GENERATING CO. CPSES	PROCEDURE NUMBER	REVISION	ISSUE DATE	PAGE
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TEXAS UTILITIES GENERATING CO CPSES	PROCEDURE NUMBER	REVISION	ISSUE DATE	PAGE
	CP-QP-3.0	9	JUN 10 1983	1 of 6
CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION	PREPARED BY: <u>B. C. Smith</u>			<u>4/6/83</u> DATE
	APPROVED BY: <u>[Signature]</u>			<u>6/10/83</u> DATE

1.0 REFERENCES

1-A TUGCO/TUSI CPSES QA Plan

1-B CP-QAP-3.1, "B&R Site QA Organization"

2.0 GENERAL

The purpose of this document is to outline the organizational structure as well as individual duties and responsibilities of the CPSES Site Quality Assurance/Quality Control staff during the construction phase. This procedure is not directly applicable to activities under the jurisdiction of the ASME Code, Section III, Division 1.

3.0 PROCEDURE

3.1 TUGCO SITE QUALITY ASSURANCE SUPERVISOR

The duties and responsibilities of the Site (Construction) QA Supervisor are defined in Reference 1-A. These duties and responsibilities are implemented through the organizational structure depicted in Figure 1 and as described in this document.

3.2 B&R PROJECT QA MANAGER

The specific duties and responsibilities of the B&R Site QA Manager, relative to ASME functions, are described in Reference 1-B. Additionally, this position provides administrative support for B&R personnel assigned to the functional groups described herein.

HISTORICAL FILE
FOR INFORMATION ONLY

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3.3 QUALITY ASSURANCE SUPERVISOR

The QA Supervisor is responsible to the Site QA Supervisor for the following Quality Assurance functions:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions, as requested.
- b. Coordination with the CPSES Construction and Engineering groups in his areas of responsibility.
- c. Provide basic indoctrination and required technical training for Quality Assurance personnel in his areas of responsibility.
- d. Assure compliance of site procurement activities to established CPSES QA requirements.
- e. Assist and/or represent the Site QA Supervisor as requested. Represent the Site QA Supervisor in his absence.
- f. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.
- g. Assist the Site QA Supervisor in resolution of NRC matters, as requested.
- h. Schedule and implement Quality Assurance activities in areas of responsibility.
- i. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances.
- j. Has the authority to stop specific work activities pending disposition of quality related problems.
- k. Monitor selected activities for compliance with project requirements, as assigned.

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3.4 QUALITY CONTROL SUPERVISOR

The Quality Control Supervisor is responsible for the supervision of Quality Assurance/Control functions in his areas of responsibility. Individual duties and responsibilities include:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions, as requested.
- b. Coordination with the CPSES Construction and Engineering groups to assure that inspection planning is completed in a timely manner.
- c. Provide basic indoctrination and required technical training for assigned Quality Control personnel.
- d. Assist and/or represent the Site QA Supervisor as requested.
- e. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.
- f. Assist the Site QA Supervisor in resolution of NRC matters, as requested.
- g. Assist the Site QA Supervisor in the overall management of the ASME Code Certification Program.
- h. Schedule and implement Quality Control activities.
- i. Assure that assigned QC personnel are trained and qualified to perform testing or inspection functions in accordance with established requirements.
- j. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances.
- k. Has the authority to stop specific work activities pending disposition of quality related problems.
- l. Monitor selected activities for compliance with project requirements, as assigned.

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3.5 QUALITY ASSURANCE SPECIALISTS SUPERVISOR

The Quality Assurance Specialists Supervisor is responsible for the coordination of Quality Assurance activities assigned to this group.

Individual duties and responsibilities of this group include:

- a. Monitor, verify and/or inspect installed piping to assure "as-built" piping drawing accuracy.
- b. Monitor, verify and inspect "as installed" electrical cable and raceway systems to assure drawing accuracy.
- c. Develop and implement selected verification programs.
- d. Develop and implement the design change verification program.

3.6 RECORDS MANAGEMENT SUPERVISOR

The Records Management Supervisor is responsible for the supervision of records management functions. Individual duties and responsibilities include:

- a. Assure or accomplish necessary research of Codes, Standards and Specifications for technical record requirements and identify specific records to these requirements in a manner consistent with the Startup Schedule.
- b. Assure that required Code Data Forms for CPSES design and installation activities have been completed in a timely manner.
- c. Identify and assure resolution of record deficiencies.
- d. Assist in the development and implementation of the CPSES QA Record program.
- e. Coordinate activities between Permanent Plant Records Vault and CPSES Automated Records Management System (ARMS) personnel to assure record retrieval.

3.7 QA SECRETARY

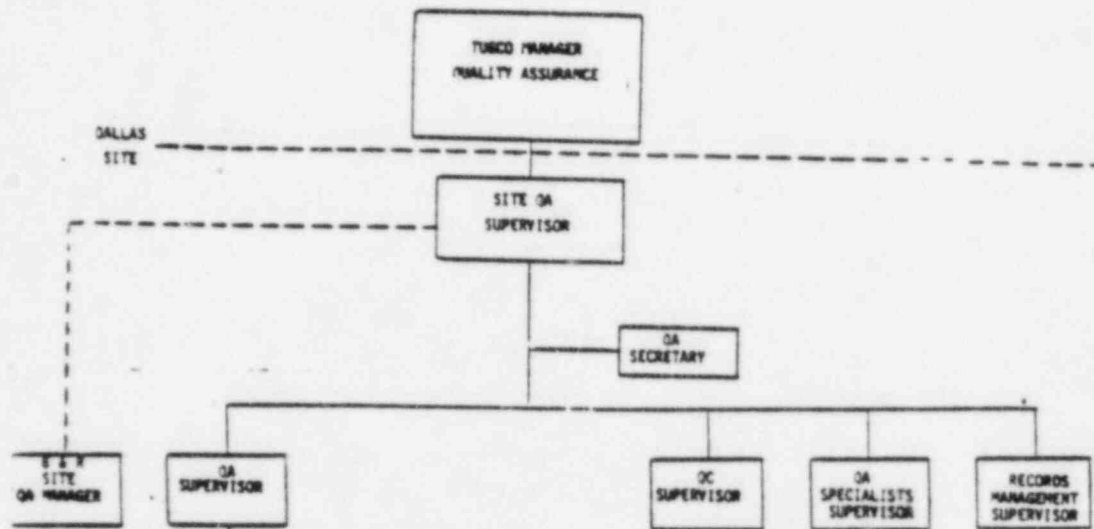
The QA Secretary provides basic secretarial/clerical support for the Site QA Supervisor and staff personnel and has the following specific duties and responsibilities:

TEXAS UTILITIES GENERATING CO. CPSES	PROCEDURE NUMBER	REVISION	ISSUE DATE	PAGE
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- a. Establish and maintain files relative to Nuclear Regulatory Commission (NRC) inspection reports, bulletins, etc.
- b. Establish and maintain files relative to formal and informal reports by TUGCO to the NRC concerning significant construction deficiencies within the requirements of 10CFR 50.55 (e).
- c. Supervise assigned clerical personnel.

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	CP-QP-3.0	9	JUN 10 1983	6 of 6

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	CP-QP-3.0	8	AUG 24 1982	1 of 6
CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION	PREPARED BY: <u>Ron Mikes</u>			8-23-82 DATE
	APPROVED BY: <u>B.C. Sutt Jr</u> <u>R. G. Tope</u>			8/24/82 DATE
<p>1.0 <u>REFERENCES</u></p> <p>1-A TUGCO/TUSI CPSES QA Plan</p> <p>1-B CP-QAP-3.1, "B&R Site QA Organization"</p> <p>2.0 <u>GENERAL</u></p> <p>The purpose of this document is to outline the organizational structure as well as individual duties and responsibilities of the CPSES Site Quality Assurance/Quality Control staff during the construction phase. This procedure is not directly applicable to activities under the jurisdiction of the ASME Code, Section III, Division 1.</p> <p>3.0 <u>PROCEDURE</u></p> <p>3.1 TUGCO SITE QUALITY ASSURANCE SUPERVISOR</p> <p>The duties and responsibilities of the Site (Construction) QA Supervisor are defined in Reference 1-A. These duties and responsibilities are implemented through the organizational structure depicted in Figure 1 and as described in this document.</p> <p>3.2 B&R PROJECT QA MANAGER</p> <p>The specific duties and responsibilities of the B&R Site QA Manager, relative to ASME functions, are described in Reference 1-B. Additionally, this position provides administrative support for B&R personnel assigned to the functional groups described herein.</p> <p style="text-align: center;">HISTORICAL FILE</p>				

FOR INFORMATION ONLY

TEXAS UTILITIES GENERATING CO. CPSES	PROCEDURE NUMBER	REVISION	ISSUE DATE	PAGE
	CP-QP-3.0	8	AUG 24 1982	2 of 6

3.3 QUALITY ASSURANCE/QUALITY CONTROL SUPERVISOR GENERAL

The QA/QC Supervisor/General is responsible to the Site QA Supervisor for the following Quality Assurance/Quality Control functions:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions, as requested.
- b. Coordination with the CPSES Construction and Engineering groups in his areas of responsibility to assure that inspection planning is completed in a timely manner.
- c. Provide basic indoctrination and required technical training for Quality Control personnel in his areas of responsibility.
- d. Assure compliance of site procurement activities to established CPSES QA requirements.
- e. Assist and/or represent the Site QA Supervisor as requested. Represent the Site QA Supervisor in his absence.
- f. Review and supervise the processing and tracking of nonconformance reports.
- g. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.
- h. Assist the Site Supervisor in resolution of NRC matters, as requested.
- i. Schedule and implement Quality Control activities in areas of responsibility.
- j. Assure that assigned QC personnel are trained and qualified to perform testing or inspection functions in accordance with established requirements.
- k. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances.
- l. Has the authority to stop specific work activities pending disposition of quality related problems.
- m. Monitor selected activities for compliance with project requirements, as assigned.

TEXAS UTILITIES GENERATING CO. CPSES	PROCEDURE NUMBER	REVISION	ISSUE DATE	PAGE
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3.4 QUALITY ASSURANCE/QUALITY SUPERVISOR-MECHANICAL/CIVIL

The Quality Assurance/Quality Control Supervisor-Mechanical/Civil is responsible for the supervision of Quality Assurance/Control functions in his areas of responsibility. Individual duties and responsibilities include:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions, as requested.
- b. Coordination with the CPSES Construction and Engineering groups to assure that inspection planning is completed in a timely manner.
- c. Provide basic indoctrination and required technical training for assigned Quality Control personnel.
- d. Assist and/or represent the Site QA Supervisor as requested.
- e. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.
- f. Assist the Site QA Supervisor in resolution of NRC matters, as requested.
- g. Assist the Site QA Supervisor in the overall management of the ASME Code Certification Program.
- h. Schedule and implement Quality Control activities.
- i. Assure that assigned QC personnel are trained and qualified to perform testing or inspection functions in accordance with established requirements.
- j. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances.
- k. Has the authority to stop specific work activities pending disposition of quality related problems.
- l. Monitor selected activities for compliance with project requirements, as assigned.

3.5 QUALITY ASSURANCE SPECIALISTS SUPERVISOR

The Quality Assurance Specialists Supervisor is responsible for the coordination of Quality Assurance activities assigned to this group.

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Individual duties and responsibilities of this group include:

- a. Monitor, verify and/or inspect installed piping to assure "as-built" piping drawing accuracy.
- b. Monitor, verify and inspect "as installed" electrical cable and raceway systems to assure drawing accuracy.
- c. Develop and implement selected verification programs.
- d. Develop and implement change verification program.

3.6 RECORDS MANAGEMENT SUPERVISOR

The Records Management Supervisor is responsible for the supervision of records management functions. Individual duties and responsibilities include:

- a. Assure or accomplish necessary research of Codes, Standards and Specifications for technical record requirements and identify specific records to these requirements in a manner consistent with the Startup Schedule.
- b. Assure that required Code Data Forms for CPSES design and installation activities have been completed in a timely manner.
- c. Identify and assure resolution of record deficiencies.
- d. Assist in the development and implementation of the CPSES QA Record program.
- e. Coordinate activities between Permanent Plant Records Vault and CPSES Automated Records Management System (ARMS) personnel to assure record retrieval.

3.7 QA SECRETARY

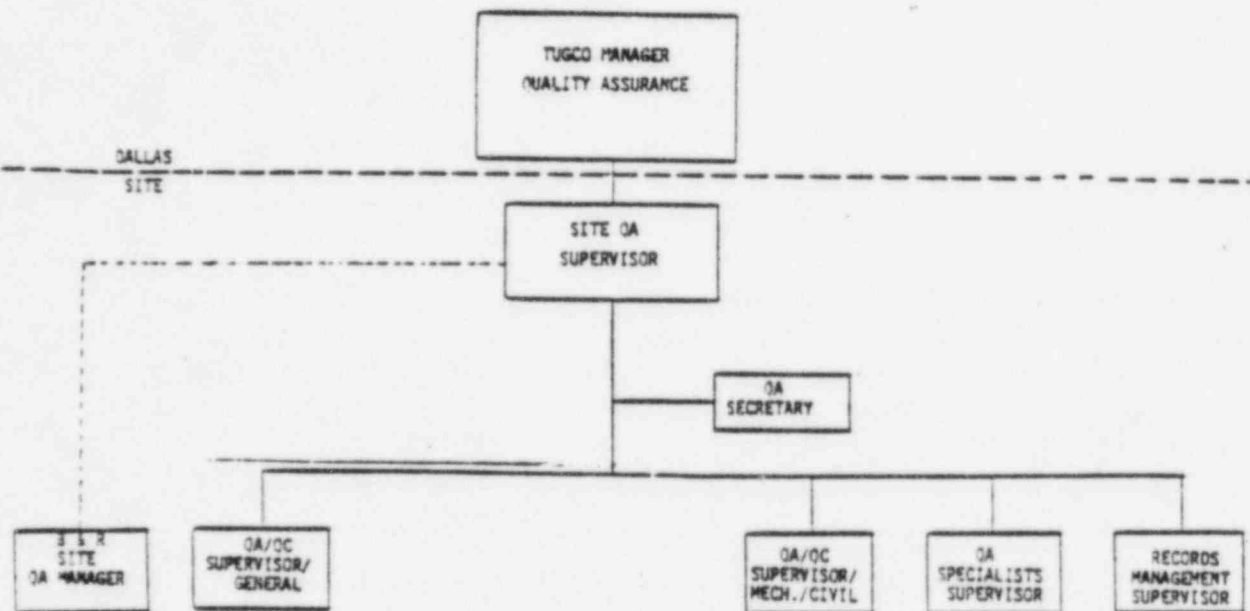
The QA Secretary provides basic secretarial/clerical support for the Site QA Supervisor and staff personnel and has the following specific duties and responsibilities:

TEXAS UTILITIES GENERATING CO. CPSES	PROCEDURE NUMBER	REVISION	ISSUE DATE	PAGE
	CP-QP-3.0	8	AUG 24 1982	5 of 6

- a. Establish and maintain files relative to Nuclear Regulatory Commission (NRC) inspection reports, bulletins, etc.
- b. Establish and maintain files relative to formal and informal reports by TUGCO to the NRC concerning significant construction deficiencies within the requirements of 10CFR 50.55 (e).
- c. Supervise assigned clerical personnel.

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----- Coordination
 _____ Technical Direction

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CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION	PREPARED BY: <u>B.C. Scott</u> <u>5/21/82</u> DATE APPROVED BY: <u>R. J. Johnson</u> <u>5/24/82</u> DATE			

1.0 REFERENCES

- 1-A TUGCO/TUSI CPSES QA Plan
1-B CP-QAP-3.1, "B&R Site QA Organization"

2.0 GENERAL

The purpose of this document is to outline the organizational structure as well as individual duties and responsibilities of the CPSES Site Quality Assurance/Quality Control staff during the construction phase. This procedure is not directly applicable to activities under the jurisdiction of the ASME Code, Section III, Division 1.

3.0 PROCEDURE

3.1 TUGCO SITE QUALITY ASSURANCE SUPERVISOR

The duties and responsibilities of the Site (Construction) QA Supervisor are defined in Reference 1-A. These duties and responsibilities are implemented through the organizational structure depicted in Figure 1 and as described in this document.

3.2 B&R PROJECT QA MANAGER

The specific duties and responsibilities of the B&R Site QA Manager, relative to ASME functions, are described in Reference 1-B. Additionally, this position provides administrative support for B&R personnel assigned to the functional groups described herein.

HISTORICAL FILE

CONSTRUCTION ONLY

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3.3 QUALITY ASSURANCE/QUALITY CONTROL SUPERVISOR GENERAL

The QA/QC Supervisor/General is responsible to the Site QA Supervisor for the following Quality Assurance/Quality Control functions:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions, as requested.
- b. Coordination with the CPSES Construction and Engineering groups in his areas of responsibility to assure that inspection planning is completed in a timely manner.
- c. Provide basic indoctrination and required technical training for Quality Control personnel in his areas of responsibility.
- d. Assure compliance of site procurement activities to established CPSES QA requirements.
- e. Assist and/or represent the Site QA Supervisor as requested. Represent the Site QA Supervisor in his absence.
- f. Review and supervise the processing and tracking of nonconformance reports.
- g. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.
- h. Assist the Site Supervisor in resolution of NRC matters, as requested.
- i. Schedule and implement Quality Control activities in areas of responsibility.
- j. Assure that assigned QC personnel are trained and qualified to perform testing or inspection functions in accordance with established requirements.
- k. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances.
- l. Has the authority to stop specific work activities pending disposition of quality related problems.
- m. Monitor selected activities for compliance with project requirements, as assigned.

TEXAS UTILITIES GENERATING CO. CPSES	INSTRUCTION NUMBER	REVISION	ISSUE DATE	PAGE
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3.4 QUALITY ASSURANCE/QUALITY SUPERVISOR-MECHANICAL/CIVIL

The Quality Assurance/Quality Control Supervisor-Mechanical/Civil is responsible for the supervision of Quality Assurance/Control functions in his areas of responsibility. Individual duties and responsibilities include:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions, as requested.
- b. Coordination with the CPSES Construction and Engineering groups to assure that inspection planning is completed in a timely manner.
- c. Provide basic indoctrination and required technical training for assigned Quality Control personnel.
- d. Assist and/or represent the Site QA Supervisor as requested.
- e. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.
- f. Assist the Site QA Supervisor in resolution of NRC matters, as requested.
- g. Assist the Site QA Supervisor in the overall management of the ASME Code Certification Program.
- h. Schedule and implement Quality Control activities.
- i. Assure that assigned QC personnel are trained and qualified to perform testing or inspection functions in accordance with established requirements.
- j. Identify, document, and when assigned, verify corrective action to deficiencies and nonconformances.
- k. Has the authority to stop specific work activities pending disposition of quality related problems.
- l. Monitor selected activities for compliance with project requirements, as assigned.

3.5 QUALITY ASSRUANCE SPECIALISTS SUPERVISOR

The Quality Assurance Specialists Supervisor is responsible for the coordination of Quality Assurance activities assigned to this group.

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Individual duties and responsibilities of this group include:

- a. Review, comment and/or approval of Quality and Construction Procedures/Instructions as requested by the Site QA Supervisor.
- b. Monitor, verify and/or inspect installed piping to assure "as-built" piping drawing accuracy.
- c. Monitor, verify and inspect "as installed" electrical cable and raceway systems to assure drawing accuracy.
- d. Develop and implement selected verification programs.
- e. Assist the Site Supervisor in resolution of NRC matters, as requested.

3.6 RECORDS MANAGEMENT SUPERVISOR

The Records Management Supervisor is responsible for the supervision of records management functions. Individual duties and responsibilities include:

- a. Assure or accomplish necessary research of Codes, Standards and Specifications for technical record requirements and identify specific records to these requirements in a manner consistent with the Startup Schedule.
- b. Assure that required Code Data Forms for CPSES design and installation activities have been completed in a timely manner.
- c. Identify and assure resolution of record deficiencies.
- d. Assist in the development and implementation of the CPSES QA Record program.
- e. Coordinate activities between Permanent Plant Records Vault and CPSES Automated Records Management System (ARMS) personnel to assure record retrieval.

3.7 QA SECRETARY

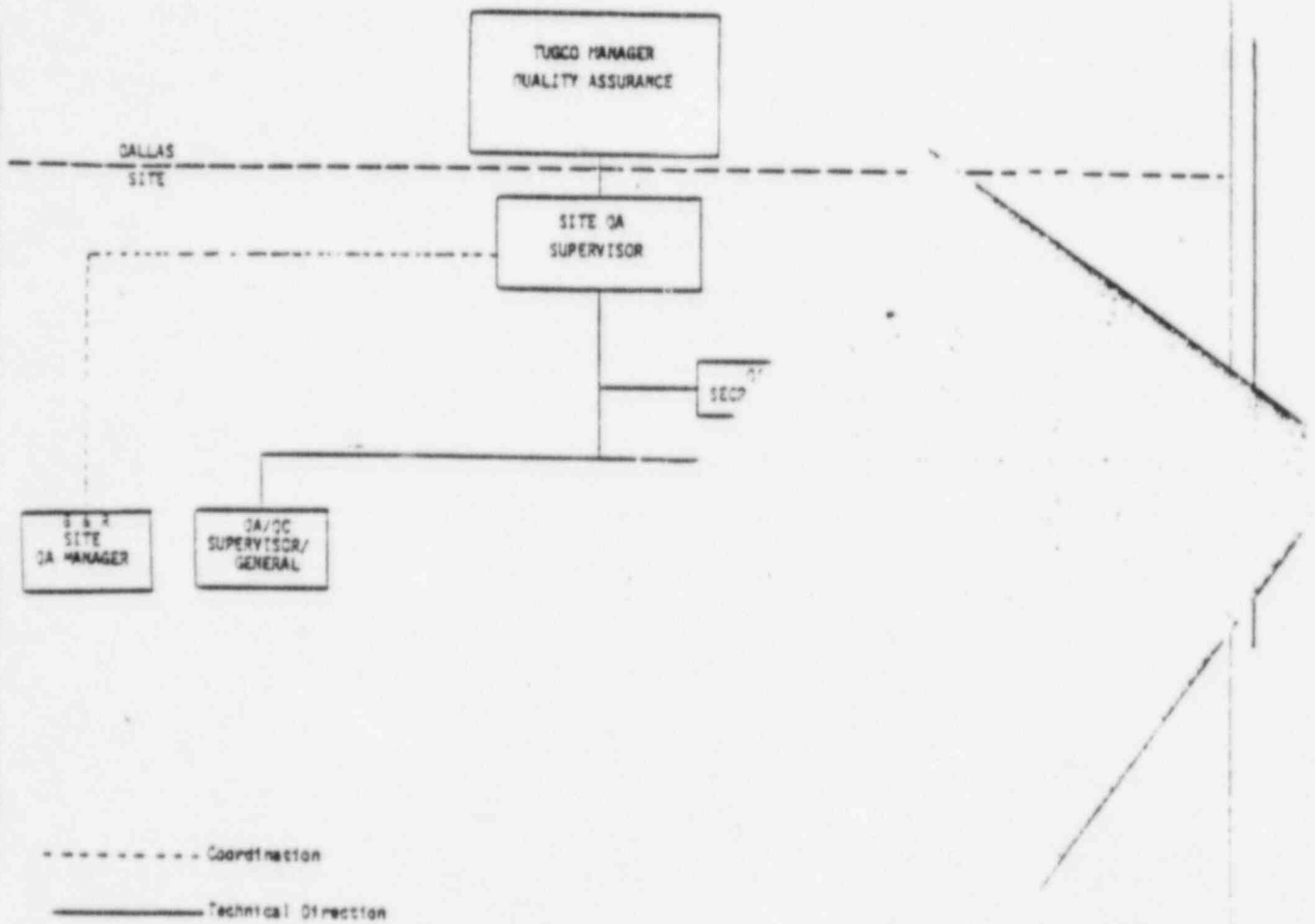
The QA Secretary provides basic secretarial/clerical support for the Site QA Supervisor and staff personnel and has the following specific duties and responsibilities:

TEXAS UTILITIES GENERATING CO. CPSES	PROCEDURE NUMBER	REVISION	ISSUE DATE	PAGE
	CP-QP-3.0	7	MAY 21 1982	5 of 6

- a. Establish and maintain files relative to Nuclear Regulatory Commission (NRC) inspection reports, bulletins, etc.
- b. Establish and maintain files relative to formal and informal reports by TUGCO to the NRC concerning significant construction deficiencies within the requirements of 10CFR 50.55 (e).
- c. Supervise assigned clerical personnel.

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ATTACHMENT 1



TEXAS UTILITIES GENERATING CO CPSES	PROCEDURE NUMBER	REVISION	ISSUE DATE	PAGE
	CP-QP-3.0	6	DEC 17 1981	1 of 5
CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION	PREPARED BY: <u>BC [Signature]</u>			12/17/81 DATE
	APPROVED BY: <u>[Signature]</u>			12/17/81 DATE

1.0 REFERENCES

- 1-A TUGCO/TUSI CPSES QA Plan
- 1-B CP-QAP-3.1, "B&R Site QA Organization"

2.0 GENERAL

The purpose of this document is to define the organizational structure as well as individual duties and responsibilities of the CPSES Site Quality Assurance/Quality Control staff during the construction phase. This procedure is not directly applicable to activities under the jurisdiction of the ASME Code, Section III, Division 1.

3.0 PROCEDURE

3.1 TUGCO SITE QUALITY ASSURANCE SUPERVISOR

The duties and responsibilities of the Site (Construction) QA Supervisor are defined in Reference 1-A. These duties and responsibilities are implemented through the organizational structure depicted in Figure 1 and as described in this document.

3.2 B&R PROJECT QA MANAGER

The specific duties and responsibilities of the B&R Site QA Manager, relative to ASME functions, are described in Reference 1-B. Additionally, this position provides administrative support for B&R personnel assigned to the functional groups described herein.

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	CP-QP-3.0	6	DEC 17 1981	2 of 5

3.3 QUALITY ENGINEERING SUPERVISOR

The Quality Engineering Supervisor is responsible for the supervision of Quality Engineering functions. Individual duties and responsibilities include:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions.
- b. Control and distribution of Quality Procedures and Instructions for Non-ASME functions.
- c. Coordination with the CPSES Construction and Engineering groups to assure that inspection planning is completed in a timely manner.
- d. Provides basic indoctrination and required technical training for Quality Control personnel.
- e. Assure compliance of site procurement activities to established CPSES QA requirements.
- f. Assist and/or represent the Site QA Supervisor as requested. Represents the Site QA Supervisor in his absence.
- g. Review, processing and tracking of nonconformance reports.
- h. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.

3.4 QUALITY ASSURANCE SPECIALISTS SUPERVISOR

The Quality Assurance Specialist Supervisor is responsible for the coordination of Quality Assurance activities assigned to this group.

Individual duties and responsibilities of this group include:

- a. Review, comment and/or approval of Quality and Construction Procedures/Instructions as requested by the Site QA Supervisor.
- b. Monitor, verify and/or inspect installed piping to assure "as-built" piping drawing accuracy.

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- c. Monitor, verify and inspect "as installed" electrical cable and raceway systems to assure drawing accuracy.
- d. Develop and implement selected backfit inspection programs as required to verify that Quality Assurance Installations requirements are met.
- e. Assist the Site Supervisor in resolution of NRC matters.
- f. Assist the Site QA Supervisor in the overall management of the ASME Code Certification Program.

3.5 QUALITY CONTROL SUPERVISOR

The Quality Control Supervisor is responsible for the supervision of Quality Control functions. Individual duties and responsibilities include:

- a. Scheduling and implementation of Quality Control activities.
- b. Assure that QC personnel are trained, and qualified to perform testing or inspection functions in accordance with established requirements.
- c. Identifies documents and, when assigned, verifies corrective action to deficiencies and nonconformances.
- d. Has the authority to stop specific work activities pending disposition of quality related problems.
- e. Monitor selected activities for compliance with project requirements, as assigned.
- f. Assist and/or represent the Site QA Supervisor as requested.

3.6 RECORDS MANAGEMENT SUPERVISOR

The Records Management Supervisor is responsible for the supervision of records management functions. Individual duties and responsibilities include:

- a. Assure or accomplish necessary research of Codes, Standards and Specifications for technical record requirements and identify specific records to these requirements in a manner consistent with the startup schedule.

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- b. Assure that required Code Data Forms for CPSES design and installation activities have been completed in a timely manner.
- c. Identify and assure resolution of record deficiencies.
- d. Assist in the development and implementation of the CPSES QA Record program.
- e. Coordinate activities between Permanent Plant Records Vault and CPSES Authorized Records Management Systems (ARMS) to assure record retrieval.

3.7

QA SECRETARY

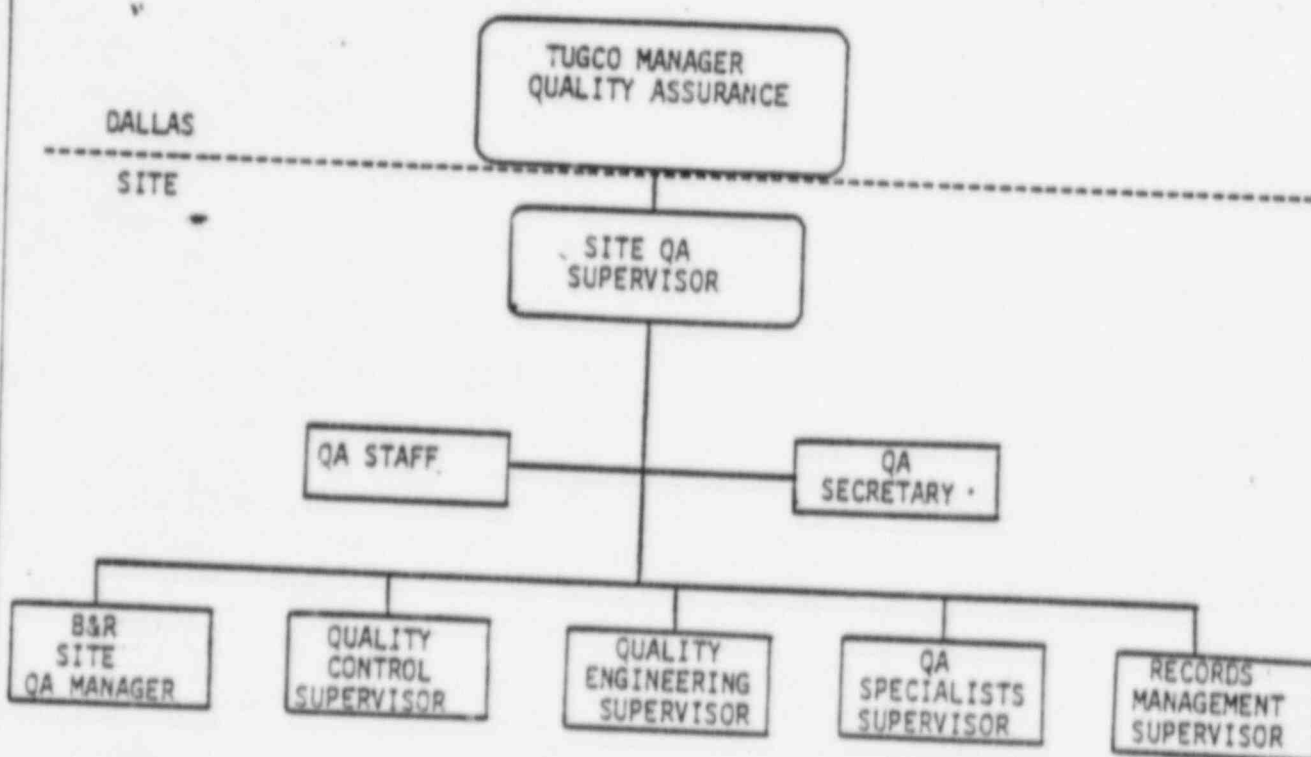
The QA Secretary provides basic secretarial/clerical support for the Site QA Supervisor and staff personnel and has the following specific duties and responsibilities:

- a. Establish and maintain files relative to Nuclear Regulatory Commission (NRC) inspection reports, bulletins, etc.
- b. Establish and maintain files relative to formal and informal reports by TUGCO and the NRC concerning significant construction deficiencies within the requirements of 10CFR 50.55 (e).
- c. Supervision of assigned clerical personnel.

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FIGURE 1

CPSES QA/QC ORGANIZATION



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	CP-QP-3.0	5	APR 24 1981	1 of 5
CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION	PREPARED BY: <u>B. C. Smith</u>		4/23/81 DATE	
	APPROVED BY: <u>LT Jolson</u>		4/24/81 DATE	
<div data-bbox="743 634 1367 904" style="text-align: center;"> HISTORICAL FILE INFORMATION ONLY </div> <div data-bbox="323 691 626 723">1.0 <u>REFERENCES</u></div> <div data-bbox="323 751 829 783">1-A TUGCO/TUSI CPSES QA Plan</div> <div data-bbox="323 810 1039 842">1-B CP-QAP-3.1, "B&R Site QA Organization"</div> <div data-bbox="323 870 578 902">2.0 <u>GENERAL</u></div> <div data-bbox="466 929 1365 1110"> <p>The purpose of this document is to define the organizational structure as well as individual duties and responsibilities of the CPSES Site Quality Assurance/Quality Control staff during the construction phase. This procedure is not directly applicable to activities under the jurisdiction of the ASME Code, Section III, Division 1.</p> </div> <div data-bbox="323 1138 610 1170">3.0 <u>PROCEDURE</u></div> <div data-bbox="323 1198 1055 1229">3.1 TUGCO SITE QUALITY ASSURANCE SUPERVISOR</div> <div data-bbox="466 1257 1409 1408"> <p>The duties and responsibilities of the Site (Construction) QA Supervisor are defined in Reference 1-A. These duties and responsibilities are implemented through the organizational structure depicted in Figure 1 and as described in this document.</p> </div> <div data-bbox="323 1438 802 1468">3.2 B&R PROJECT QA MANAGER</div> <div data-bbox="466 1498 1382 1649"> <p>The specific duties and responsibilities of the B&R Site QA Manager, relative to ASME functions, are described in Reference 1-B. Additionally, this position provides administrative support for B&R personnel assigned to the functional groups described herein.</p> </div>				

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3.3 QUALITY ENGINEERING SUPERVISOR

The Quality Engineering Supervisor is responsible for the supervision of Quality Engineering functions. Individual duties and responsibilities include:

- Review, comment and/or approval of quality and construction Procedures/Instructions.
- Control and distribution of Quality Procedures and Instructions for Non-ASME functions.
- Coordination with the CPSES Construction and Engineering groups to assure that inspection planning is completed in a timely manner.
- Provides basic indoctrination and required technical training for Quality Control personnel.
- Assure compliance of site procurement activities to established CPSES QA requirements.
- Assist and/or represent the Site QA Supervisor as requested. Represents the Site QA Supervisor in his absence.
- Review, processing and tracking of nonconformance reports.
- Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.

3.4 QUALITY ASSURANCE SPECIALISTS SUPERVISOR

The Quality Assurance Specialist Supervisor is responsible for the coordination of Quality Assurance activities assigned to this group.

Individual duties and responsibilities of this group include:

- Review, comment and/or approval of Quality and Construction Procedures/Instructions as requested by the Site QA Supervisor.
- Monitor, verify and/or inspect installed piping to assure "as-built" piping drawing accuracy.

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- c. Monitor, verify and inspect "as installed" electrical cable and raceway systems to assure drawing accuracy.
- d. Develop and implement selected backfit inspection programs as required to verify that Quality Assurance Installations requirements are met.
- e. Assist the Site Supervisor in resolution of NRC matters.
- f. Assist the Site QA Supervisor in the overall management of the ASME Code Certification Program.

3.5 QUALITY CONTROL SUPERVISOR

The Quality Control Supervisor is responsible for the supervision of Quality Control functions. Individual duties and responsibilities include:

- a. Scheduling and implementation of Quality Control activities.
- b. Assure that QC personnel are trained, and qualified to perform testing or inspection functions in accordance with established requirements.
- c. Identifies documents and, when assigned, verifies corrective action to deficiencies and nonconformances.
- d. Has the authority to stop specific work activities pending disposition of quality related problems.
- e. Monitor selected activities for compliance with project requirements, as assigned.
- f. Assist and/or represent the Site QA Supervisor as requested.

3.6 RECORDS MANAGEMENT SUPERVISOR

The Records Management Supervisor is responsible for the supervision of records management functions. Individual duties and responsibilities include:

- a. Assure or accomplish necessary research of Codes, Standards and Specifications for technical record requirements and identify specific records to these requirements in a manner consistent with the startup schedule.

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- b. Assure that required Code Data Forms for CPSES design and installation activities have been completed in a timely manner.
- c. Identify and assure resolution of record deficiencies.
- d. Assist in the development and implementation of the CPSES QA Record program.
- e. Coordinate activities between Permanent Plant Records Vault and CPSES Authorized Records Management Systems (ARMS) to assure record retrieval.

3.7

QA SECRETARY

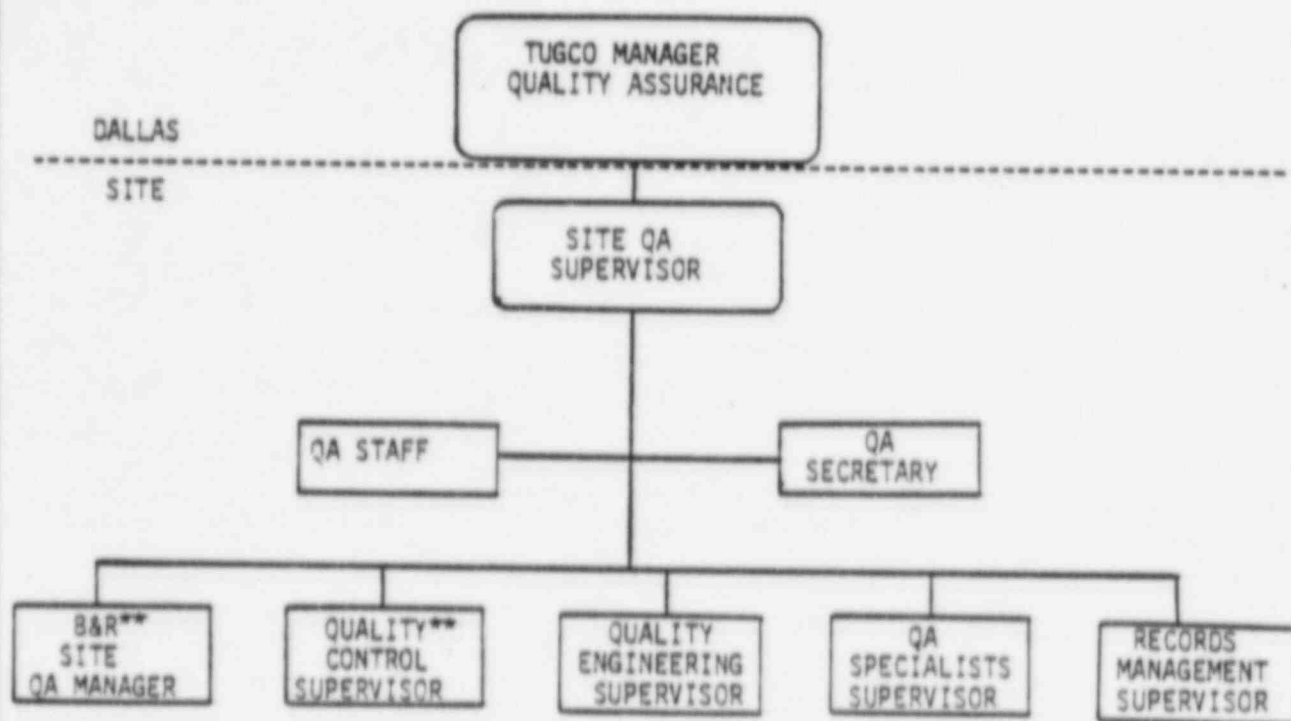
The QA Secretary provides basic secretarial/clerical support for the Site QA Supervisor and staff personnel and has the following specific duties and responsibilities:

- a. Establish and maintain files relative to Nuclear Regulatory Commission (NRC) inspection reports, bulletins, etc.
- b. Establish and maintain files relative to formal and informal reports by TUGCO and the NRC concerning significant construction deficiencies within the requirements of 10CFR 50.55 (e).
- c. Supervision of assigned clerical personnel.

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FIGURE 1

CPSES QA/QC ORGANIZATION



**Positions currently being occupied by the same individual.

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	CP-QP-3.0	4	APR 15 1981	1 of 5
CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION	PREPARED BY: <u>B.C. Smith</u>			4/9/81 DATE
	APPROVED BY: <u>R.A. Tolson</u>			4/13/81 DATE

1.0 REFERENCES

- 1-A TUGCO/TUSI CPSES QA Plan
1-B CP-QAP-3.1, "B&R Site QA Organization"

2.0 GENERAL

The purpose of this document is to define the organizational structure as well as individual duties and responsibilities of the CPSES Site Quality Assurance/Quality Control staff during the construction phase. This procedure is not directly applicable to activities under the jurisdiction of the ASME Code, Section III, Division 1.

3.0 PROCEDURE

3.1 TUGCO SITE QUALITY ASSURANCE SUPERVISOR

The duties and responsibilities of the Site (Construction) QA Supervisor are defined in Reference 1-A. These duties and responsibilities are implemented through the organizational structure depicted in Figure 1 and as described in this document.

3.2 B&R PROJECT QA MANAGER

The specific duties and responsibilities of the B&R Site QA Manager, relative to ASME functions, are described in Reference 1-B. Additionally, this position provides administrative support for B&R personnel assigned to the functional groups described herein.

FOR INFO
HISTORICAL FILE

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	CP-QP-3.0	4	APR 15 1981	2 of 5

3.3 QUALITY ENGINEERING SUPERVISOR

The Quality Engineering Supervisor is responsible for the supervision of Quality Engineering functions. Individual duties and responsibilities include:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions.
- b. Control and distribution of Quality Procedures and Instructions for Non-ASME functions.
- c. Coordination with the CPSES Construction and Engineering groups to assure that inspection planning is completed in a timely manner.
- d. Provides basic indoctrination and required technical training for Quality Control personnel.
- e. Assure compliance of site procurement activities to established CPSES QA requirements.
- f. Assist and/or represent the Site QA Supervisor as requested. Represents the Site QA Supervisor in his absence.
- g. Review, processing and tracking of nonconformance reports.
- h. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.

3.4 QUALITY ASSURANCE SPECIALISTS SUPERVISOR

The Quality Assurance Specialist Supervisor is responsible for the coordination of Quality Assurance activities assigned to this group.

Individual duties and responsibilities of this group include:

- a. Review, comment and/or approval of Quality and Construction Procedures/Instructions as requested by the Site QA Supervisor.
- b. Monitor, verify and/or inspect installed piping to assure "as-built" piping drawing accuracy.

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- c. Monitor, verify and inspect "as installed" electrical cable and raceway systems to assure drawing accuracy.
- d. Develop and implement selected backfit inspection programs as required to verify that Quality Assurance installations requirements are met.
- e. Assist the Site Supervisor in resolution of NRC matters.
- f. Assist the Site QA Supervisor in the overall management of the ASME Code Certification Program.

3.5 QUALITY CONTROL SUPERVISOR

The Quality Control Supervisor is responsible for the supervision of Quality Control functions. Individual duties and responsibilities include:

- a. Scheduling and implementation of Quality Control activities.
- b. Assure that QC personnel are trained, and qualified to perform testing or inspection functions in accordance with established requirements.
- c. Identifies documents and, when assigned, verifies corrective action to deficiencies and nonconformances.
- d. Has the authority to stop specific work activities pending disposition of quality related problems.
- e. Monitor selected activities for compliance with project requirements, as assigned.
- f. Assist and/or represent the Site QA Supervisor as requested.

3.6 RECORDS MANAGEMENT SUPERVISOR

The Records Management Supervisor is responsible for the supervision of records management functions. Individual duties and responsibilities include:

- a. Assure or accomplish necessary research of Codes, Standards and Specifications for technical record requirements and identify specific records to these requirements in a manner consistent with the startup schedule.

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- b. Assure that required Code Data Forms for CPSES design and installation activities have been completed in a timely manner.
- c. Identify and assure resolution of record deficiencies.
- d. Assist in the development and implementation of the CPSES QA Record program.
- e. Coordinate activities between Permanent Plant Records Vault and CPSES Authorized Records Management Systems (ARMS) to assure record retrieval.

3.7 QA SECRETARY

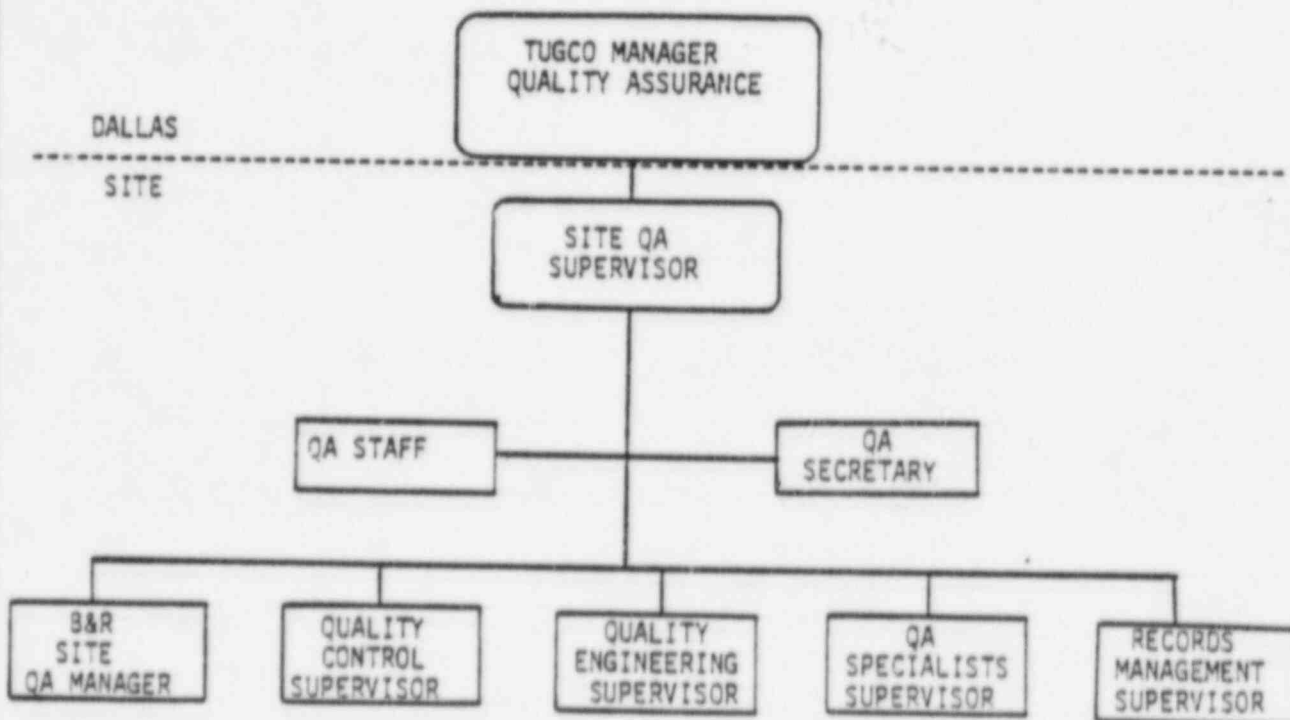
The QA Secretary provides basic secretarial/clerical support for the Site QA Supervisor and staff personnel and has the following specific duties and responsibilities:

- a. Establish and maintain files relative to Nuclear Regulatory Commission (NRC) inspection reports, bulletins, etc.
- b. Establish and maintain files relative to formal and informal reports by TUGCO and the NRC concerning significant construction deficiencies within the requirements of 10CFR 50.55 (e).
- c. Supervision of assigned clerical personnel.

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FIGURE 1

CPSES QA/QC ORGANIZATION



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	CP-QP-3.0	3	1-28-80	1 of 5														
<table border="0"> <tr> <td rowspan="2">CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION</td> <td>PREPARED BY:</td> <td><u>JL Amundson</u></td> <td><u>1/24/80</u></td> </tr> <tr> <td></td> <td></td> <td>DATE</td> </tr> <tr> <td rowspan="2"></td> <td>APPROVED BY:</td> <td><u>RL Tolson</u></td> <td><u>1/24/80</u></td> </tr> <tr> <td></td> <td></td> <td>DATE</td> </tr> </table>					CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION	PREPARED BY:	<u>JL Amundson</u>	<u>1/24/80</u>			DATE		APPROVED BY:	<u>RL Tolson</u>	<u>1/24/80</u>			DATE
CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION	PREPARED BY:	<u>JL Amundson</u>	<u>1/24/80</u>															
			DATE															
	APPROVED BY:	<u>RL Tolson</u>	<u>1/24/80</u>															
			DATE															

1.0 REFERENCES

1-A TUGCO/TUSI CPSES QA Plan

1-B CP-QAP-3.1, "B&R Site QA Organization"

2.0 GENERAL

The purpose of this document is to define the organizational structure as well as individual duties and responsibilities of the CPSES Site Quality Assurance/Quality Control staff during the construction phase. This procedure is not directly applicable to activities under the jurisdiction of the ASME Code, Section III, Division 1.

3.0 PROCEDURE

3.1 TUGCO SITE QUALITY ASSURANCE SUPERVISOR

The duties and responsibilities of the Site (Construction) QA Supervisor are defined in Reference 1-A. These duties and responsibilities are implemented through the organizational structure depicted in Figure 1 and as described in this document.

3.2 B&R PROJECT QA MANAGER

The specific duties and responsibilities of the B&R Project QA Manager, relative to ASME functions, are described in Reference 1-B. Additionally, this position provides administrative support for B&R personnel assigned to the functional groups described herein.

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HISTORICAL ONLY

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	CP-QP-3.0	3	1-28-80	2 of 5

3.3 QUALITY ENGINEERING SUPERVISOR

The Quality Engineering Supervisor is responsible for the supervision of Quality Engineering functions. Individual duties and responsibilities include:

- a. Review, comment and/or approval of quality and construction Procedures/Instructions.
- b. Control and distribution of Quality Instructions for Non-ASME functions.
- c. Coordination with the CPSES Construction and Engineering groups to assure that inspection planning is completed in a timely manner.
- d. Provides basic indoctrination and required technical training for Quality Control personnel.
- e. Assure compliance of site procurement activities to established CPSES QA requirements.
- f. Assist and/or represent the Site QA Supervisor as requested. Represents the Site QA Supervisor in his absence.
- g. Review, processing and tracking of nonconformance reports.
- h. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.

3.4 QUALITY CONTROL SUPERVISOR

The Quality Control Supervisor is responsible for the supervision of Quality Control functions. Individual duties and responsibilities include:

- a. Scheduling and implementation of Quality Control activities.
- b. Assure that QC personnel are trained, and qualified to perform testing or inspection functions in accordance with established requirements.

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- c. Identifies documents and, when assigned, verifies corrective action to deficiencies and nonconformances.
- d. Has the authority to stop specific work activities pending disposition of quality related problems.
- e. Monitor selected activities for compliance with project requirements, as assigned.
- f. Assist and/or represent the Site QA Supervisor as requested.

3.5 STARTUP/TURNOVER QA SUPERVISOR

The Startup/Turnover QA Supervisor is responsible for the supervision of Startup/Turnover QA functions. Individual duties and responsibilities include:

- a. Verify implementation of the CPSES Automated Records Management System (ARMS).
- b. Assure or accomplish necessary research of Codes, Standards and Specifications for technical record requirements and identify specific records to these requirements in a manner consistent with the startup schedule.
- c. Assure that required Code Data Forms for CPSES design and installation activities have been completed in a timely manner.
- d. Identify and assure resolution of record deficiencies.
- e. Assist in the development and implementation of the CPSES QA Record program.

3.6 OFFICE ASSISTANT

The Office Assistant provides basic secretarial/clerical support for the Site QA Supervisor and staff personnel and has the following specific duties and responsibilities.

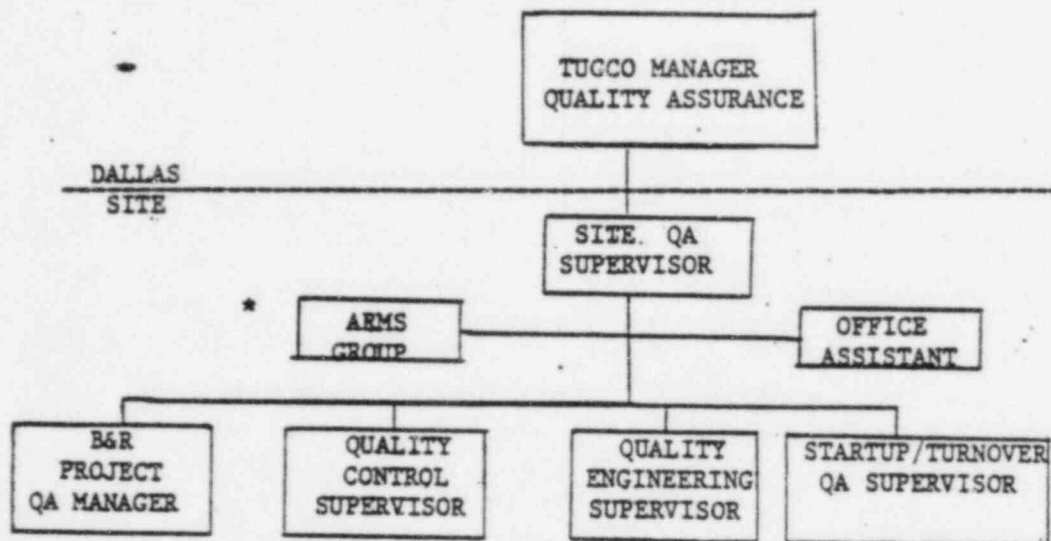
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- a. Control and distribution of Quality Procedures (QP's).
- b. Establish and maintain files relative to Nuclear Regulatory Commission (NRC) inspection reports, bulletins, etc.
- c. Establish and maintain files relative to formal and informal reports by TUGCO to the NRC concerning significant construction deficiencies within the requirements of 10CFR 50.55(e).
- d. Supervision of assigned clerical personnel.

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FIGURE 1

CPSES QA/QC ORGANIZATION



* Refer to CP-QP-18.3

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<div> <div> CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION </div> <div> PREPARED BY: <u>W.H. Beakert</u> <u>1/8/80</u> DATE </div> <div> APPROVED BY: <u>R.A. Tolson</u> <u>1/8/80</u> DATE </div> </div>				

1.0 REFERENCES

1-A TUGCO/TUSI CPSES QA Plan

1-B CP-QAP-3.1, "B&R Site QA Organization"

2.0 GENERAL

The purpose of this document is to define the organization structure as well as individual duties and responsibilities of the CPSES site Quality Assurance/Quality Control staff during the construction phase. This procedure is directly applicable to activities under the jurisdiction of the ASME Code, Section III, Division 1.

3.0 PROCEDURE

3.1 TUGCO SITE QUALITY ASSURANCE SUPERVISOR

The duties and responsibilities of the Site(Construction)QA Supervisor are defined in Reference 1-A. These duties and responsibilities are implemented through the organizational structure depicted in Figure 1 and as described in this document.

3.2 B&R PROJECT QA MANAGER

The specific duties and responsibilities of the B&R Project QA Manager, relative to ASME functions, are described in Reference 1-B. Additionally, this position provides administrative support for/and (where requested or required) technical direction to the various personnel assigned to the functional groups described herein.

3.3 QUALITY ENGINEERING SUPERVISOR

The Quality Engineering Supervisor is responsible for the supervision of Quality Engineering functions. Individual duties and responsibilities include:

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- a. Review, comment and/or approval of quality and construction Procedures/Instructions.
- b. Coordination with the CPSES Construction and Engineering groups to assure that inspection planning is completed in a timely manner.
- c. Provides basic indoctrination and required technical training for Quality Control personnel.
- d. Assure compliance of site procurement activities to established CPSES QA requirements.
- e. Assist and/or represent the Site QA Supervisor as requested. Represents the Site QA Supervisor in his absence.
- f. Review, processing and tracking of nonconformance reports.
- g. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.

3.4 QUALITY CONTROL SUPERVISOR

The Quality Control Supervisor is responsible for the supervision of Quality Control functions. Individual duties and responsibilities include:

- a. Scheduling and implementation of Quality Control activities.
- b. Assure that QC personnel are trained, and qualified to perform testing or inspection functions in accordance with established requirements.
- c. Identifies documents and, when assigned, verifies corrective action to deficiencies and nonconformances.
- d. Has the authority to stop specific work activities pending disposition of quality related problems.
- e. Monitor selected activities for compliance with project requirements, as assigned.
- f. Assist and/or represent the Site QA Supervisor as requested.

3.5 STARTUP/TURNOVER QA SUPERVISOR

The Startup/Turnover QA Supervisor is responsible for the supervision of Startup/Turnover QA functions. Individual duties and responsibilities include:

- a. Verify implementation of the CPSES Automated Records Management System (ARMS).

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- b. Assure or accomplish necessary research of Codes, Standards and Specifications for technical record requirements and identify specific records to these requirements in a manner consistent with the startup schedule.
- c. Assure that required Code Data Forms for CPSES design and installation activities have been completed in a timely manner.
- d. Identify and assure resolution of record deficiencies.
- e. Assist in the development and implementation of the CPSES QA Record program.

3.6

SITE SURVEILLANCE SUPERVISOR

The Site Surveillance Supervisor is responsible for the supervision of site surveillance functions. Individual duties and responsibilities includes:

- a. Planning, scheduling, preparation and implementation of site surveillance activities.
- b. Preparation and approval of site surveillance reports.
- c. Review of completed surveillance activities and development of recommendations for required corrective action for adverse quality trends.
- d. As requested, perform surveillance on selected subcontractors or vendors furnishing safety-related products or services for the CPSES project.

3.7

OFFICE ASSISTANT

The Office Assistant provides basic secretarial/clerical support for the Site QA Supervisor and staff personnel and has the following specific duties and responsibilities.

- a. Control and distribution of Quality Procedures (QP's) and Instructions.
- b. Establish and maintain files relative to Nuclear Regulatory Commission (NRC) inspection reports, bulletins, etc.
- c. Establish and maintain files relative to formal and informal reports by TUGCO to the NRC concerning

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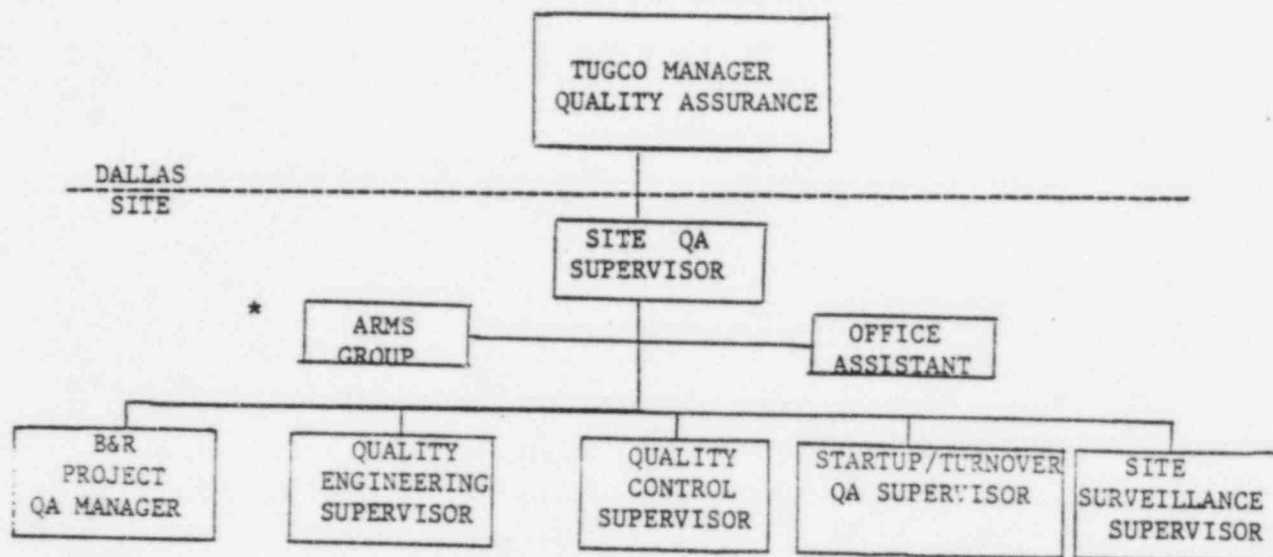
significant construction deficiencies within the requirements of 10 CFR 50.55 (e).

d. Supervision of assigned clerical personnel.

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FIGURE 1

CPSES QA/QC ORGANIZATION



* Refer to CP-QP-18.3

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CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION	PREPARED BY: <u>W. Benkert</u> <u>11/29/79</u> DATE APPROVED BY: <u>J. R. [Signature]</u> <u>11/20/79</u> DATE			

1.0 REFERENCES

- 1-A TUGCo/TUSI CPSES QA Plan
- 1-B CP-QAP-1.1, "B&R Site QA Organization"

2.0 GENERAL

The purpose of this document is to define the organizational structure as well as the duties and responsibilities of the CPSES and Quality Assurance/Quality Control staff during the construction phase. This procedure is not directly applicable to activities under the jurisdiction of the ASME Code, Section III, Division 1.

3.0 PROCEDURE

3.1 TUGCo SITE QUALITY ASSURANCE SUPERVISOR

The duties and responsibilities of the Site Construction QA Supervisor are defined in Reference 1-A. These duties and responsibilities are implemented through the organizational structure depicted in Figure 1 and as described in this document.

3.2 B&R PROJECT QA MANAGER

The specific duties and responsibilities of the B&R Project QA Manager, relative to ASME functions, are described in Reference 1-B. Additionally, this position provides administrative support for/and (where requested or required) technical direction to the various personnel assigned to the functional groups described herein.

3.3 QUALITY ENGINEERING SUPERVISOR

The Quality Engineering Supervisor is responsible for the supervision of Quality Engineering functions. Individual duties and responsibilities include:

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- a. Review, comment and/or approval of quality and construction Procedures/Instructions.
- b. Coordination with the CPSES Construction and Engineering groups to assure that inspection planning is completed in a timely manner.
- c. Assure compliance of site procurement activities to establish CPSES QA requirements
- d. Assist and/or represent the Site QA Supervisor as requested. Represents the Site QA Supervisor in his absence.
- e. Review, processing and tracking of nonconformance reports.
- f. Review quality related documentation and reports for trend development and take or recommend corrective action, where appropriate.

3.4

QUALITY CONTROL SUPERVISOR

The Quality Control Supervisor is responsible for the supervision of Quality Control functions. Individual duties and responsibilities include:

- a. Scheduling and implementation of Quality Control activities.
- b. Assure that QC personnel are trained, and qualified to perform testing or inspection functions in accordance with established requirements.
- c. Identifies documents and, when assigned, verifies corrective action to deficiencies and nonconformances.
- d. Has the authority to stop specific work activities pending disposition of quality related problems.
- e. Monitor selected activities for compliance with project requirements, as assigned.
- f. Assist and/or represent the Site QA Supervisor as requested.

3.5

STARTUP/TURNOVER QA SUPERVISOR

The Startup/Turnover QA Supervisor is responsible for the supervision of Startup/Turnover QA functions. Individual duties and responsibilities include:

- a. Verify implementation of the CPSES Automated Records Management System (ARMS).

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- b. Assure or accomplish necessary research of Codes, Standards and Specifications for technical record requirements and identify specific records to these requirements in a manner consistent with the startup schedule.
- c. Assure that required Code Data Forms for CPSES design and installation activities have been completed in a timely manner.
- d. Identify and assure resolution of record deficiencies.
- e. Assist in the development and implementation of the CPSES QA Record program.

3.6

SITE SURVEILLANCE SUPERVISOR

The Site Surveillance Supervisor is responsible for the supervision of site surveillance functions. Individual duties and responsibilities include:

- a. Planning, scheduling, preparation and implementation of site surveillance activities.
- b. Preparation and approval of site surveillance reports.
- c. Review of completed surveillance activities and development of recommendations for required corrective action for adverse quality trends.
- d. As requested, perform surveillance on selected subcontractors or vendors furnishing safety-related products or services for the CPSES project.

3.7

OFFICE ASSISTANT

The Office Assistant provides basic secretarial/clerical support for the Site QA Supervisor and staff personnel and has the following specific duties and responsibilities.

- a. Control and distribution of Quality Procedures (QP's) and Instructions.
- b. Establish and maintain files relative to Nuclear Regulatory Commission (NRC) inspection reports, bulletins, etc.
- c. Establish and maintain files relative to formal and informal reports by TUGCo to the NRC concerning

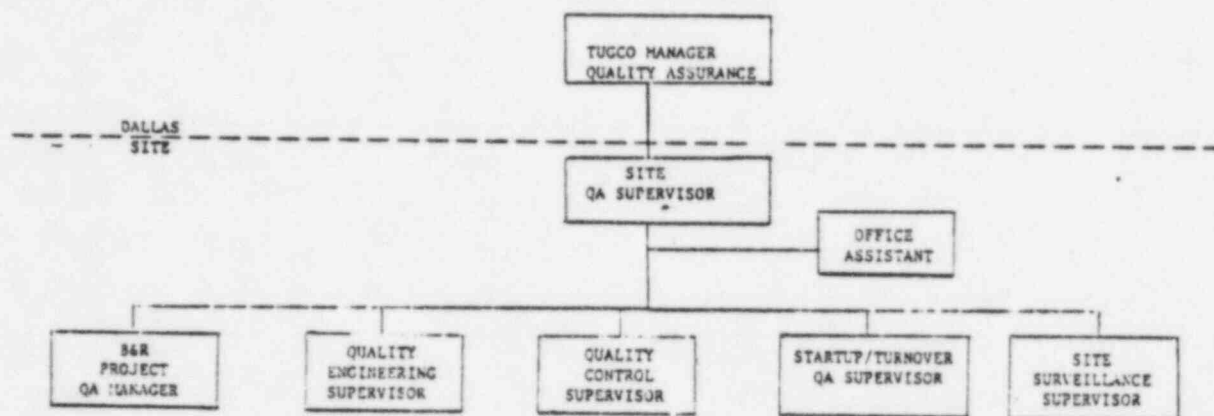
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significant construction deficiencies within the requirements of 10 CFR 50.55 (e).

d. Supervision of assigned clerical personnel

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FIGURE 1



CPSES QA/QC ORGANIZATION

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CPSES SITE QUALITY ASSURANCE/QUALITY CONTROL ORGANIZATION	PREPARED BY: <u>[Signature]</u> 8-2-78 DATE APPROVED BY: <u>[Signature]</u> 8/8/78 DATE			

1.0 REFERENCES

1-A TUGCO/TUSI CPSES QA PLAN

2.0 GENERAL

The purpose of this document is to define the organizational structure as well as individual duties and responsibilities of the CPSES site Quality Assurance/Quality Control staff.

3.0 PROCEDURE

3.1 TUGCO SITE QUALITY ASSURANCE SUPERVISOR

The duties and responsibilities of the Site QA Supervisor are defined in Reference 1-A. These duties and responsibilities are implemented through the organizational structure depicted in Figure 1 and as described in this document.

3.2 PRODUCT ASSURANCE SUPERVISOR

The Product Assurance Supervisor is responsible for the supervision of Product Assurance functions. Individual responsibilities and duties include:

- a. Review, comment and/or approval of quality and construction procedures and instructions.
- b. Coordination with all disciplines of the field QC effort.
- c. Follow up on material receiving problems on owner furnished material and equipment.
- d. Assist in vendor pre-award surveys as assigned.

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- e. Assist in performance of supplier audits and product surveillance as assigned.
- f. Coordination of QA/QC efforts with construction efforts.
- g. Assist and/or represent the TUGCO Site QA Supervisor as requested.
- h. Liaison between the QA/QC staff and TUSI Construction and Engineering.
- i. Liaison between TUGCO QA and the Nuclear Regulatory Commission in resolution of site identified problems.
- j. Provides support for the other site organizations as requested.

3.3

CIVIL INSPECTION SUPERVISOR

The Civil Inspection Supervisor is responsible for the development, implementation and supervision of the project civil/structural Quality Control activities. The scope of responsibilities encompasses concrete production, concrete testing, concrete pre-placement, placement, post-placement, cadwelding, soils and structural steel erection. His principle duties and responsibilities include the following:

- a. Develop quality procedures and instructions for the civil inspection activities.
- b. Plan and schedule inspection and test activities as necessary to support construction progress and assure compliance with project requirements.
- c. Supervise personnel assigned to Civil Inspection functions.
- d. Coordinate civil quality activities with responsible construction personnel.
- e. Monitor civil quality activities for proper implementation.
- f. Review quality documentation for trend development and recommend corrective action where appropriate.

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3.4 SITE QUALITY CONTROL MANAGER (SQCM)

The SQCM is responsible for the supervision of QC efforts excluding Civil Inspection activities. Individual responsibilities and duties include:

- a. Supervises a staff of QC engineers/supervisors in the inspection disciplines of mechanical, electrical, receiving and coatings.
- b. Directs the preparation of procedures/instructions which define the methods to be used in verifying quality requirements as specified in the project specifications and/or codes.
- c. Provides administrative support to the Product Assurance and Civil Inspection Supervisors for QC personnel assigned to these functions.
- d. Ensures that QC personnel are trained, qualified and certified, as necessary, to perform inspection functions.
- e. Assists the Site QA Supervisor and SQAM in planning QA activities and resources.
- f. Has authority to stop work activities pending resolution of significant quality related problems.
- g. May act in the capacity of SQAM during his absence.
- h. Performs other duties as required.

3.5 SITE QUALITY ASSURANCE MANAGER (SQAM)

The SQAM is responsible for supervision of basic Site Quality Assurance functions. Individual duties and responsibilities include:

- a. Supervises and coordinates the basic Quality Assurance functions at the CPSES site. These functions include QA records, procurement and shop inspection of B&R supplied items, vendor audits and site surveillances, nonconformance system and procedure control.
- b. Assists the Site Quality Assurance Supervisor in the development and implementation of the Comanche Peak Quality Assurance Plan as it relates to site construction and applicable vendor activities.

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- c. Has authority to stop work or control further processing, delivery or installation of a nonconforming item, deficiency or an unsatisfactory condition until proper disposition has occurred.
- d. Maintains liaison on Quality Assurance matters with management of B&R.
- e. Provides administrative support to the Product Assurance and Civil Inspection Supervisors for QA personnel assigned to these functions.
- f. Performs other duties of a related nature which may be assigned.
- g. May act in the capacity of SQCM in his absence.

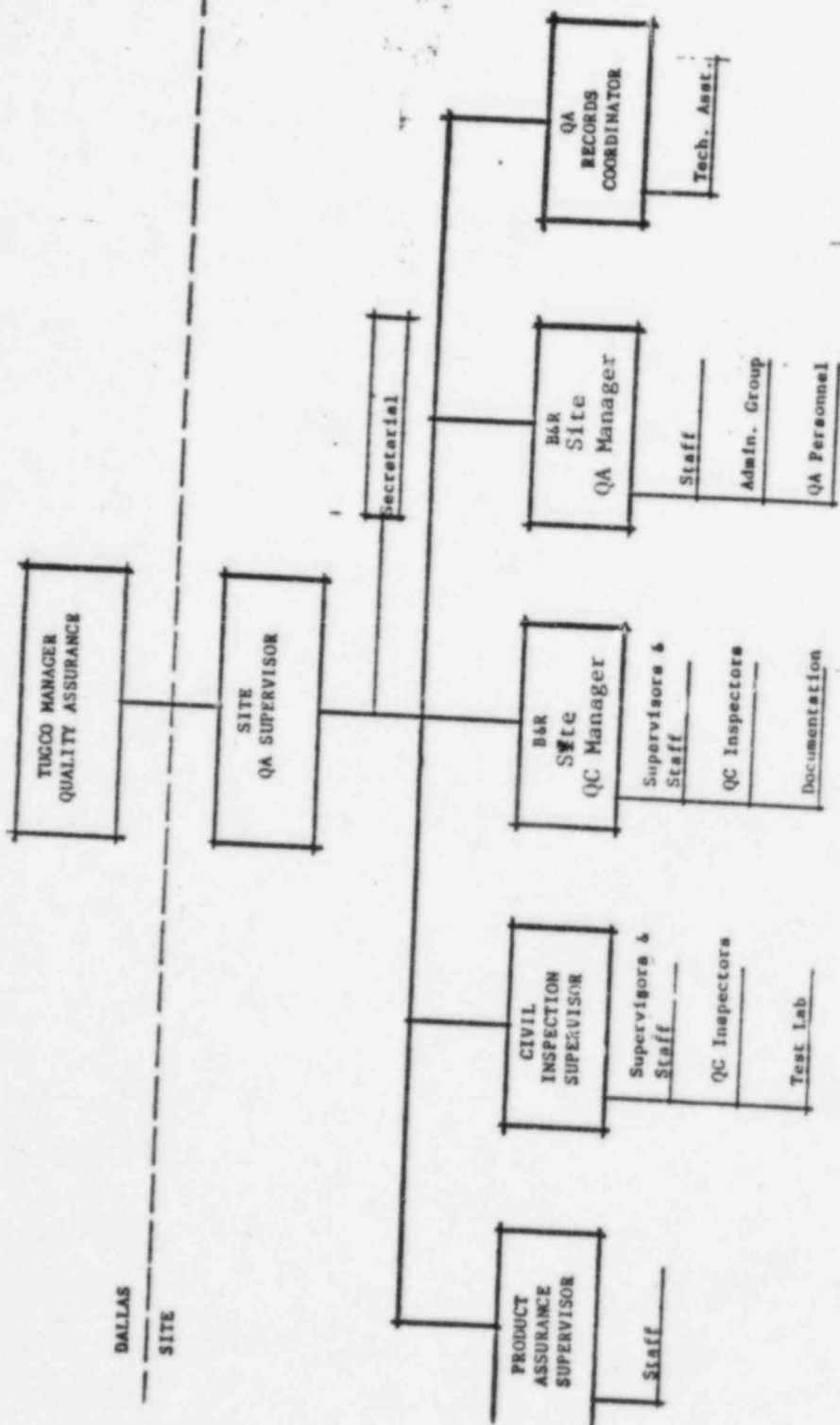
3.6

QA RECORDS COORDINATOR

The QA Records Coordinator is responsible for assuring timely collection and input of permanent plant records to the CPSES Automated Records Management System (ARMS). Duties and responsibilities include:

- a. Assure development of an alpha-numeric computer index system for the Automated Record Management System (ARMS) as applicable to the coding and computer addressing of lifetime plant quality assurance records.
- b. Research codes, standards, and specifications for the technical record requirements and identify specific records to these requirements in a manner consistent with the startup schedule.
- c. Provide assistance for implementation of ARMS with TUGCO, DCC, TERA and the site QA Organization in respect to quality assurance records.
- d. Responsible for scheduling pre-batching and batching operations for lifetime plant quality assurance records.
- e. Assist in the continuing development and implementation of the CPSES Quality Assurance Records Index.
- f. Prepare periodic reports on the status and adequacy of the ARMS program for subsequent review by TUGCO/TUSI management.

FIGURE 1



CPSES QA/QC ORGANIZATION

CP-QP-30

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Rec'd 9/11/84

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