

Certified Code Welding

CAROLINA
FABRICATORS INC.
CUSTOM METAL FABRICATION & WELDING

Carbon Steel • Stainless Steel
Aluminum • On-site Repairs

3831 Hwy. #321, W. Columbia, SC 29172
803-794-4906

April 5, 2019

Audit Report Number

NIAC Material Testing and NDE Services Audit Report #24039

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Audited Organization

Element Materials Technology
2 and 4 Pheasant Run
Newtown, PA 18940

Audit Scope and Purpose

The purpose of this NIAC and Carolina Fabricators, Inc. audit was evaluation of the adequacy of Element Materials Technology's Newtown, PA office Quality Assurance Program, Edition 4, Revision 7, dated 10/30/18, including compliance with applicable implementing procedures, referenced standards, and requirements as it relates to Material Testing and Nondestructive Examination Services. The Audit was scheduled to evaluate extending the use (triennial audit) of Element Materials Technology's Newtown facility as a supplier to Carolina Fabricators, Inc. and other NIAC members.

Audit Standards

- ASME/ANSI NQA-1
- Title 10 CFR, Part 50, Appendix B
- 10 CFR Part 21

QA Review

Accepted
MB 10/1/19

- ASME/NCA 3850

Methods

The audit was conducted by reviewing and observing program activities and interviewing personnel at the Newtown, PA facility responsible for QA program implementation as it relates to Material Testing and Nondestructive Examination Services. NIAC Audit Checklist Revision 1, dated 11/9/2017 and NIAC ASME Section III NDE Checklist Revision 0, dated 9/14/2016 were utilized as the basis for this evaluation.

Audit Team

Tena A. Graben-Galyon, Lead Auditor

Entrance and Exit Meeting

An entrance meeting was held the morning of March 19, 2019 at the Newtown, PA facility. Introductions were made, and the audit scope, schedule, and logistics were confirmed. Following the meeting, the investigative portion of the audit was conducted. The audit exit meeting was conducted on March 21, 2019 and the audit findings were presented.

Personnel Contacted

Douglas Reed – General Manager, ECO
Bill Hontz – Quality Manager/Safety Coordinator
Robert Ader – Machine Shop Supervisor
Shaun Li – Metallurgical & Mechanical Manager
Kevin Alpaugh – Lead Chemistry Technician
Ron Cox – Technical Services Manager/NDT Manager
Miguel Campos – Mechanical Technician
Craig Noel – Responsible Level 3 NDT Technician

Audit Summary

Three (3) Findings and two (2) Recommendations were identified as a result of the audit. Based on the audit results, with the exception of the findings, Element Materials Technology, Newtown, PA facility was found to be effectively implemented as it relates to materials testing and NDE services in accordance with their Quality Assurance Program and implementing procedures.

Carolina Fabricators Use: Pending satisfactory completion of the three findings, it is, therefore, recommended Element Materials Technology, Newtown, PA facility be retained on Carolina Fabricators, Inc. Approved Suppliers List.

Findings and Comments

See attached Audit Finding Reports

- AFR #24039-1

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- AFR #24039-2
- AFR #24039-3

Corrective Action and Follow-up

Element Materials Technology is responsible for entering the findings into their Corrective Action system. Investigation, Root Cause Analysis, and a Corrective Action Plan, if required, must be submitted for review to the Lead Auditor no later than April 21, 2019.

Prepared by:  04/10/2019
Tena A. Graben-Galyon Date: 04/10/2019
NQA-1 Lead Auditor

CC: NIAC representatives at:

- | | |
|------------|---|
| E. Yost | Curtiss-Wright Electro Mechanical Corp. |
| M. Soler | Holtec International Inc. |
| S. Moore | Joseph Oat Corp. |
| B. Morse | National Technical System |
| G. Farrell | Precision Custom Components, LLC. |