



SURVEY REPORT

Survey Date: September 14, 2016

Facility Surveyed: ELEMENT MATERIALS TECHNOLOGY (NEW BERLIN, WI)

Products/Scope: Composite Material Testing

QA Program: ISO/IEC 17025:2005, A2LA

Quality Assurance Manual: Quality Manual Rev 16, 6/23/2016

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Survey Contact: Denise Besting, Quality Manager

1.0 Introduction

A review of order entry, material identification & control, quality organization, control of M&TE, training, and test & inspection practices were performed at Element Materials Technology in New Berlin, WI to determine if they should be listed on the ABB Nuclear Approved Vendor List (NAVL). This facility within the Element family has the capability to provide testing services to ABB for a variety of types of materials.

2.0 Survey Scope and Summary

The Element Quality Program is implemented through a Quality Manual, with System Procedures (SP's) and Standard Operating Procedures (SOP's), and is certified to ISO/IEC 17025:2005. Element is accredited through A2LA for Chemical Testing (Cert 0098.01) and Mechanical Testing (Cert 0098.02) with both certificates valid to 8/31/2018.

The scope of this survey will be used to support use of Element for testing services on parts that are used in nuclear safety related applications.

The scope of the survey is as defined by ABB Commercial Grade Survey Checklist F-QUAL-04-01, Revision 4. Specific critical characteristics to be verified were:

- | | |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1) Part Configuration | - Order Entry – clear identification and flow-through of customer requirements
- Training / Qualification
- Inspection & Test – positive verification of performance, using calibrated equip. |
| 2) Functionality | - N/A |
| 3) Material Type | - Material Controls – identification and traceability |
| 4) Fixed Static Design | - N/A |

The survey resulted in no audit findings and 1 recommendation.

OFI #1: One instance noted where all requested testing was not performed because ABB did not provide enough material. Recommend contacting the customer in this situation so that all testing may be completed.



3.0 Survey Approach