

## B. W. SINCLAIR, INC.

BULK MATERIAL HANDLING

P. O. Box 1111  
13923 U.S. Hwy 287 North  
Wichita Falls TX 76307-1111  
Phone 940-766-2556  
Fax 940-766-0430  
e-mail: [sales@bwsinclair.com](mailto:sales@bwsinclair.com)

### **GENERAL OVERVIEW – QUALITY CONTROL SYSTEM**

**B. W. SINCLAIR INC. (BWSI)** maintains quality standards and procedures that guarantee the manufacture of well-designed, high quality bulk material handling equipment and systems. While we do not publish and distribute a formal Quality Assurance Manual, we do offer the following summary of the general points of our system in order to acquaint our clients and potential customers with our standards:

- **PROGRAM OVERVIEW:** The President and Vice-President of the company administer the Quality Control Program, and responsibility for the various segments of the program is delegated as required to individual supervisors, lead men, and employees. It is the intent of the Program to guarantee the production of high quality, low maintenance, well designed bulk material handling equipment to domestic and international industries.
- **MATERIALS AND MATERIALS HANDLING:** BWSI will maintain identification of all material used in the fabrication of our equipment, at the request of the customer or engineer. It is the responsibility of the responsible BWSI Project Manager, coordinated with the Project Engineer and the Purchasing Manager and delegated through the Receiving Clerk, to specify, order, receive, tag, and inventory the proper materials for the project. These materials will be made available to inspection personnel representing BWSI or the customer for non-destructive examination and visual inspection as required by the specific contract. All stainless materials will be specifically segregated from mild steel materials to prevent cross migration of contaminants. Materials will be verified against the specific BWSI purchase order at their arrival at our facility. Any nonconforming materials will be segregated, and the Production Manager and Purchasing Manager will be notified immediately for disposition. All conforming materials will be tagged with the BWSI project number and segregated to await fabrication, welding, and assembly.
- **INSPECTION MILESTONES:** The BWSI Project Manager, in cooperation with the Project Engineer and the customer's personnel, will establish specific "hold points" for interim inspection of materials and sub-assemblies. The departmental supervisors in the Engineering and Production Departments, working under the supervision of the Director, Engineering and the Production Manager, will also establish appropriate inspection points for the equipment to be fabricated against a specific project order. Final Assembly departments will always be responsible for final inspections, calibration, testing and alignment of all mechanical and rotating components to assure proper operation and rotation.

- **WELDING QUALIFICATIONS:** The Production Manager and the Welding Department Supervisor will maintain adequate Welding Procedural Documentation to satisfy the requirements of our clients. Weld Procedures will be written and formatted according to the general guidelines of the American Welding Society, Section D.1.1, and other applicable codes. Welders and welding operators will be qualified and re-qualified according to these procedures as required by the project specifications. **BWSI** weld procedures are available to our customers for review in advance of any welding activity upon request to the responsible Project Manager. The Department Supervisor is additionally responsible for interim verification of the sufficiency and integrity of the welds, as well as the compliance with the specific procedure.
- **NON-DESTRUCTIVE EXAMINATION:** **BWSI** performs visual inspection and dimensional verification of all equipment, and also performs trial assembly and shop testing of all material handling equipment whose size allows shop assembly. Other types of NDE, including radiography and dye penetrant examinations are also available if required by the project specifications.
- **MISCELLANEOUS:** The Project Manager and the Project Engineer remain responsible for the orders as they proceed through Engineering, Production, Assembly and Shipping. Cooperation with the customer's representatives will assure a well-designed and high quality material handling system.