

MODERN WELDING COMPANY OF IOWA, INC.

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Burlington, Iowa 52601

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Subsidiary Survey No. 8

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A. ADMINISTRATIVE PERSONNEL:

1.	Chad Furnald	Vice President & Manager Plant
	Noah Samuel	Tank Department Manager
	Scott Flatt	Special Fabrications Manager

B. Principal Products and Construction Standards

Manufacturers of underground, aboveground, ASME pressure vessels and many other steel fabricated products serving the petroleum, chemical, agricultural, and other US industries across the nation.

Atmospheric storage tank construction standards include: Underwriter's Laboratories UL-58, UL-1746 and UL-142. Oil water separators are built to Underwriters Laboratories construction standard, UL-2215. Fire rated aboveground storage tanks are built to Underwriter's Laboratories, UL-2085 and Southwest Research Institute fire testing criteria.

Pressure vessels can be built to ASME Section VIII, Division 1 pressure vessels, "U" stamped certification. Modern also has "R" stamp certification to perform repairs and alterations to boilers and pressure vessels.

Product names include:

- Glasteel™, Glasteel II™, STIP3™, ACT-100, ACT-100-U, underground storage tanks.
- Modern's aboveground "IOC", Integrated Overflow Compartment tanks provide specialized overfill protection.
- STI's, F-921® are double wall aboveground storage tanks.
- SuperVault™ Fireguard™ and Flameshield, are aboveground fire rated storage tanks.
- Klerwater™ is Modern's underground and aboveground gravity displacement oil water separator line.
- Modern's AST-10, AST-20 and AST-40 are our complete aboveground fuel dispensing systems designed to meet a variety of fuel handling requirements.

Other recognized tank construction standards include in Modern's product line is the American Petroleum Institute's, API-620, API-650-J and API-650. Tanks can also be built to the American Water Works, AWWA, M-42 and D100 standards.

Storage tanks and vessels can be prepared with special linings or coatings as specified. These special coatings can be for jet fuel or potable water. Other special linings can be rubber or baked phenolic linings for special chemical handling applications.

Other steel fabricated products include: Flotation pontoons for dredging operations, large diameter welded pipe, duct work, bins, hoppers, hydro-pneumatic tanks, potable water tanks, coal and water haulers and underground mining support arches.

C. AVERAGE PRODUCTION PER YEAR: 5,000 tons

D. APPROXIMATE PRODUCTION AREA:

1. Inside building 30,000 sq. ft.
2. Outside building 220,000 sq. ft.

E. MAXIMUM LIFTING AND SHIPPING CAPACITY: 20 tons

F. APPROXIMATE RAIL OR TRUCK CLEARANCE OUT OF CITY:

1. Height 13 ft.
2. Width 13 ft.
3. Length 100 ft

G. PLATE ROLL CAPACITY: (FOR CARBON STEEL)

1. Width 8 ft.
 2. Thickness 1" x 8' width
- Note: Maximum fabrication thickness is 1 in.

H. SHIPPING FACILITIES:

1. Railroad: BN with switch through building.
2. Water: 1.5 miles from Mississippi River Loading point.
3. Truck: Company owned fleet and numerous common carriers

I. ORGANIZATIONAL BREAKDOWN: (AVERAGES)

- | | |
|--------------------------------|----|
| 1. Engineering personnel | 1 |
| 2. Shop personnel | 40 |
| 3. Welders | 20 |
| 4. Qualified ASME code welders | 14 |

J. TYPES OF MATERIAL WELDED:

Carbon steel and alloys

K. ASME AND NATIONAL INSPECTION AGENCY-

Hartford Steam Boiler Inspection and Insurance Company

L. COMPANY OWNED X-RAY FACILITIES:

M. OUTSIDE STRESS RELIEVING FACILITIES:

Local Industry

N. BLASTING CLEANING AND COATING FACILITIES: YES

1. Company owned facilities
2. Numerous outside sources

O. GENERAL FACILITIES:

1. Plate Shearing
 - a. Straight - 1/2" x 12 ft.
 - b. Rotary - 3/8" x 12 ft.
2. Bending and Forming 3/8 in. x 12 ft. press brake

P. Welding Equipment - Manual, submerged arc, GMAW, GMAW-S, FCAW-G, FCAW-S, TIG