American Tank &Vessel, Inc.

8/4/14 Rev 6

U.S. Shop & Waterfront Facility Capacity Report

AT&V's shop facilities in the U.S. are housed in three locations with two in Mississippi and one in Houston, Tx. The main facility in Lucedale, MS encompasses eight different bays, housing fabrication equipment and testing facilities. Vessels up to 50' in diameter are fabricated and shipped out of AT&V's waterfront facility located in Mosspoint, MS. For location and other types of support, Project Managers may utilize fabrication and assembly in the Houston facility. Each of the facilities can be reviewed in detail by going to www.at-v.com and selecting waterfront or shop fabricated vessels.

AT&V's shop fabricated vessels are supported by in-house abilities to post weld heat treat (PWHT), perform clean fabrication, form heads, weld overlay, or install refractory. Having constructed more than 300 custom ASME vessels, AT&V has the in-house capacity and track record to meet your most demanding requirements.

General Shop Manufacturing Information:

Codes

ASME Section VIII Division 1
ASME Section VIII Division 2
NBIC – "R"
API 650
API 620
API 653
AWWA
ABS/USCG
NACE III
SSPC-QP3
Other national and international codes and standards

AT&V U.S. Waterfront Facility – Mosspoint, MS

Transportation Methods

Trucking out of all (3) U.S. locations
Rail out of Lucedale and Mosspoint
Barge or ship out of Mosspoint water facility

Areas / Equipment for Fabrication

Over 300,000 sq. ft. under hook
Over 200-acres for lay down staging
Waterfront expansion est. 50,000 sq. ft. in 2008
20,000 sq. ft. machine shop
10,000 sq. ft. maintenance facility
R&D facility
In-house Quality Control Department
In-house Safety Department
In-house Engineering Services
Lucedale plant expansion 2005 not shown
Lucedale plant expansion 2007 not shown

AT&V George County Industrial Park, MS 2004
(3 Expansions not shown)

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Lucedale plant expansion 2013 not shown
(6) sets of plate rolls
(3) forming presses
In-house PWHT
In-house normalizing

ASME Head Formed by AT&V - Lucedale

Thickness Limitations
Liner systems – 1/8" min. – 6" max
Rolled plated - 3/16" min. – 4 ½" max (cold)
Dished or formed plate – 3/16" min. – 7" max (cold)
Welded and radiographic joints – 1/8" min. – 7" max

Max. Lifting Capacity
200 metric tons single bay (in-house)

Max. Vessel Diameter
50' to date – larger diameters may be considered

Max. Length of Vessel
500' - additional length may be considered

Houston Fabrication & Yard

Max. Machining Diameter
50'

Max. Thickness for Mechanically Edged Prepped Plate
3"

Material Types
Carbon Steel
Austenitic stainless steel
Clad materials
Duplex
Nickel steel
High alloy nickel
Aluminum
Hastelloy
Inconel
Chrome Moly-Steel
Abrasion Resistant

Special Vessel Internals – Lucedale Facility

Non-Destructive Testing
Radiographic (x-ray and gamma-ray)
Magnetic particle dry or wet fluorescent
Liquid penetrant
Ultrasonic
PMI
Hardness testing of different types

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Paint inspection testing
NDE for miscellaneous applications
Pneumatic
Hydro
Acoustic Emission

Miscellaneous Information
Full in-house machine shop
Full in-house engineering

For the project that involves a 3/8” wall or 7” wall, please contact your AT&V’s representatives to see how the AT&V shop services can meet your needs. With full engineering, fabrication and machine shop facilities, AT&V should have the in-house capacity to meet all your vessel needs.

First Shipment from AT&V Waterfront Facility

Heavy Offshore Structure (AT&V Waterfront)

Stainless ASME Vessels (Lucedale Facility)

Alloy Shop Vessels Fabricated by AT&V