



# American Tank & Vessel, Inc.

12/9/11 Rev 4

## 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 six different bays, housing fabrication equipment and testing facilities. Vessels over 14' 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](http://www.at-v.com) and selecting Capacity and then selecting Facilities.

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  
Other national and international codes and standards

### **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  
(6) sets of plate rolls  
(3) forming presses



AT&V U.S. Waterfront Facility - Mosspoint



AT&V Lucedale Plant 2004 (Plant Expanded in 2007)



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## Thickness Limitations

Liner systems – 1/8" min. – 6" max  
Rolled plated - 3/16" min. – 4 1/2" 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

300' - additional length may be considered

## 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

## Non-Destructive Testing

Radiographic (x-ray and gamma-ray)  
Magnetic particle dry or wet fluorescent  
Liquid penetrant  
Ultrasonic  
PMI  
Hardness testing of different types  
Paint inspection testing  
NDE for miscellaneous applications  
Pneumatic  
Hydro  
Acoustic Emission



ASME Head Formed by AT&V - Lucedale



Houston Fabrication & Yard



Special Vessel Internals – Lucedale Facility



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## 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)