



Qualification Package

Advance Boiler & Tank Co., LLC

SINCE 1919
Office: 414-475-3120
Fax: 414-475-3129

6600 West Washington Street, #700
West Allis, Wisconsin 53214

SINCE 1919

ADVANCE Boiler & Tank Co., LLC

6600 West Washington Street • #700 • West Allis, Wisconsin 53214
Phone (414) 475-3120 • Fax (414) 475-3129

HISTORY

From its inception in 1919, Advance Boiler and Tank Company has been specifically focused in the power generation industry:

1919 - Present

Erecting and repairing stationary boilers.

1950's - Present

Repairing marine boilers and ships from our location in the Port of Milwaukee - under A.B.S. and U.S.C.G. certification.

1960's - Present

Fabricating A.S.M.E. vessels for the power industry.

1980's

Started NDT Specialists - A complete NDE service organization (now an independent company).

1980's - Present

Boiler repairs/construction in the paper and utility industry.

1999

The purchase of Merco Thermotec (refractory construction and materials), now Advance Thermotec.

2000

Added 15'H x 45'L x 20'W heat treat oven.

2002

Moved to larger quarters in West Allis.

2003

New ownership, moved to larger quarters.

If you are looking for a specialized contractor of boiler repair and construction services, Advance is uniquely qualified:

1. Advance can assure your company of competent, qualified, unionized craft on a continuous basis.
2. Advance is able to bring its repair/construction services to the field and also fabricate to A.S.M.E. standards in our new 62,730 square foot vessel shop and offices.
3. Advance can provide strong experience in shop/field services - all with specific emphasis on continuously lowering your costs.
4. Advance can provide seamless coordination of auxiliary services like NDE, heat treatment and complete refractory repairs/construction and materials.

Please call with any questions regarding this Vendor Qualification and Capability package and start building a partnership with a local Wisconsin organization uniquely experienced in solving your boiler repair/construction problems.

Sincerely,

Dan Andrae
(414) 475-3122

Vendor Qualification and Capability Information Continued

2. Supplies/equipment/services we desire to bid on:
 - 2.1 ASME vessels/repair/alterations/re-rates
 - 2.2 Boiler and auxiliary-equipment maintenance/repairs
 - 2.3 Refractory materials and construction

 3. Size of Business:
 - 3.1 The vendor/contractor certifies that is is a Small Business concern under the criteria and size standards in 13CFR121.

 4. *See attached References and Experience Lists*

 5. Labor:
 - 5.1 Shop agreement - Boilermakers 107
 - 5.2 Field agreement - *See attached list of trades*
 - 5.3 Number of permanent labor force is approximately 60.
 - 5.4 Superintendents resumes available upon request.

 6. Equipment/facilities:
 - 6.1 *See attached pictures*
 - 6.2 Fabrication plant - 62,730 square feet, 5,000 square feet of offices
 - 6.3 Equipment/repair and refractory warehouse - 31,000 square feet
 - 6.4 All equipment owned by our firm.
-

Vendor Qualification and Capability Information Continued

9. Safety:

In-house safety programs and incentives

<u>Year</u>	<u>Mod</u>
2007	1.08
2008	1.06

Our Field Safety Manual can be furnished upon request.

Safety Consultant:

Safety Connections
1911 Kaat Lane
Sheboygan, WI 53081
Attn: Jim Lehrke
1-800-634-7233

10. Certificates of insurance furnished upon request.

11. Pricing:

11.1 Current labor rates and equipment rental rates can be supplied.

12. Attachments:

List of major shop equipment
Pictures of facilities
Reference list
Experience list
Organization Chart
Certificate of Authorization/Registration
ASME-U, S, R, National Board
Trades list

UNION AFFILIATION

Advance Boiler & Tank Company is signatory to National Maintenance Agreements administered by the National Maintenance Agreement Policy Committee (NMAPC) with the following Building and Construction Trades Unions:

- Boilermakers
- Carpenters/Millwrights
- Bricklayers
- Ironworkers
- Laborers
- Operating Engineers
- Sheet Metal Workers
- Teamsters
- United Association
- Steam Fitters

In addition, Advance Boiler & Tank Company is signatory to numerous local/area and project agreements in various regions of the United States.

RECENT EXPERIENCE LIST **VESSELS**

<u>Year</u>	<u>Company</u>	<u>Project/Description</u>
2003-2007	KANSAS CITY DEAERATOR	VARIOUS DEAERATORS
2003-2007	STERLING DEAERATOR CO.	VARIOUS DEAERATORS
2003-2007	ALSTOM POWER	VARIOUS IP, LP, HP STEAM DRUMS: PANDA, GE/TVA, CALPINE, BIBB, B&V, PT. WASHINGTON, HALTON HILLS, PORTLANDS, SANTEE COOPER, ETC.
2006	IDI	14' DIA. PRESSURE FILTERS/FALSE BOTTOMS - WATERFORD, MI.
2005-2007	IFS	VARIOUS AMMONIA TANKS
2005	WASHINGTON GROUP	VARIOUS PRESSURE VESSELS - PT. WASHINGTON
2005	KVAERNER/METSO	HP DRUM - ADM
2005	WHEELABRATOR	STORAGE TANKS - WE ENERGIES, P4
2004	VOGT	HP DRUM - TREASURE COAST
2003	DuPONT	1-1/4" THICK 100 TON HASTALLOY x 76' LONG SHELL/REACTOR - LaPORTE, TX.

MAJOR SHOP FABRICATION EQUIPMENT

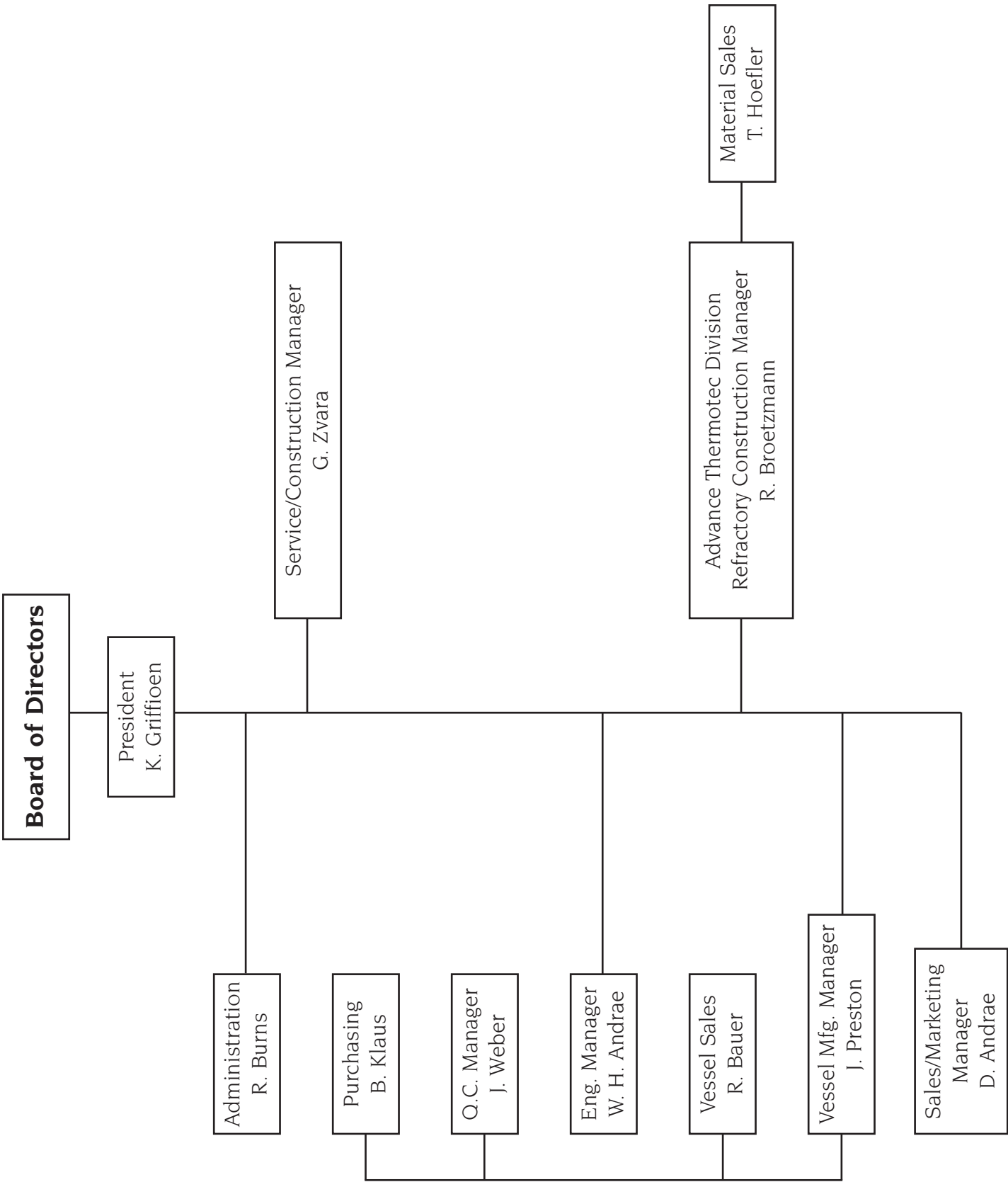
- (1) 3/4" x 10' Pullmax Double Initial Pinch Roll
- (1) 8' x 33' Health MCD 88-6 Plate Burning Machine/Burny 3 CNC Control
- (1) 88 Ton Mubea Iron Worker
- (1) #5M, 60" Arm Ooya Drill Press
- (1) Marvel 8 Band Saw
- (1) 3/8" x 8' Pacific Shear
- (3) 5 Ton Gantry Cranes
- (2) 50 Ton Cranes
- (1) 25 Ton Crane

WELD SHOP EQUIPMENT

- (1) 12,000# Ransome Positioner
- (1) 60,000# Pandjiris Missouri Mule Tank Turning Rolls
- (10) 20,000# Pandjiris Missouri Mule Tank Turning Rolls
- (1) Pandjiris 1400, 10' x 14' Variable Speed Travel Car Manipulator with 1,000 Amp Lincoln SAW, Powerwave
- (1) Pandjiris Series 1400, 5' x 20' Bolt Base Manipulator with 1,000 Amp Lincoln SAW, Powerwave
- (1) Pandjiris 20,000# Variable Speed Turntable
- (3) Plasma Arc Cutting Systems 10 ga - 1" S.S.
- (15) Miller 450-600 Amp Swing - paks with Digital Control (FCAW, SAW)
- (6) 400 Amp FCAW
- (2) 400 Amp SMAW
- (2) 400 Amp GTAW
- (1) Nelson TRW 4000 Stud Welding System
- (1) Gullco Plate Beveler
- (2) 40,000#+ Tank Turning Rolls
- (1) Pandjiris 10' x 14' Bolt Base Manipulator with 1,000 Amp Lincoln SAW, Powerwave
- (1) 8' x 8' Manipulator with 600 Amp Lincoln SAW
- (1) 8' x 14' Manipulator Car Travel with 800 Amp Lincoln
 - (2) "8" Pack Wire Welders, V300
 - (2) Bug-O MIG Track Welders
 - (5) Square Wave (TIG, SMAW) Pulse Welders
 - (15) MIG/FCAW "Suitcase" Wire Welders

FABRICATIONS/REPAIRS

WAUSAU PAPER	REBUILD/RE-RIVET (2) 15' DIA. DIGESTERS
PPG INDUSTRIES	ALTERATION OF 11' - 6" O.D. REACTOR
A. O. SMITH (TOWER AUTOMOTIVE)	COMPLETE RE-TUBE AND RENEWED REFRACTORY OF WICKS "A" TYPE BOILER 125,000 LBS./HR.
LUEDTKE ENGINEERING	(2) - 80' DIAMETER CANOPIES FOR ZEBRA MUSSEL PROJECT
WE ENERGIES	BOILER, ECONOMIZER & AIR HEATER
AMEREN CIPS	BOILER, AIR HEATER, CONDENSER AND ECONOMIZER
ALLIANT	AIR HEATER, FEEDWATER HEATER
COM-ED	FEEDWATER HEATER
STATE OF WISCONSIN	BOILERS AND AUXILIARY EQUIPMENT
GEORGIA PACIFIC (Port Edwards, WI)	RECASED BOILER AND REACTOR MODIFICATIONS
FOX RIVER PAPER	CASING REPLACEMENT - KEYSTONE BOILER
GENENCOR INTERNATIONAL (Enzyme Bio Systems)	RETUBE - AMMONIA CONDENSERS A.S.M.E. PRESSURE VESSEL ALTERATIONS
CONSUMER POWER	PRECIPITATOR ERECTION
ALSTOM POWER ENVIRONMENTAL DIVISION	2205 ABSORBERS/BAG HOUSE (BARGED TO WE ENERGIES)



ADVANCE'S MAIN FABRICATION BAY

62,730
Square Feet

25'-37' Underhook

Cranes - 50T, 10T/25T

SAW Welding
Manipulators up to
16' V/H with State-of-
the-Art 1,000 Amp
Lincoln SAW
Powerwave

24' W x 23' H
Shipping Door

3 Gantry Cranes

*See Reverse Side
for Other New Equipment/Facilities*

WE INVITE YOU TO CALL...

PHONE
414-475-3120

FAX
414-475-3129



SALES
414-475-3123
OR
414-475-3122

6600 West Washington Street • #700 • West Allis, WI 53214
advanceboiler.com

OTHER FABRICATION EQUIPMENT/FACILITIES:

Heat Treat Oven - 20' W x 15' H x 65' L

31,000 Square Foot Refractory Materials
and Construction Warehouse

HI Pressure Hydro Plugs

Orbital Nozzle Welder & Burner

22' x 45' "T" Slotted Floor Plate Fitting Table

100-600 Ton Turning Rolls

Nozzle Pre-Heat Rings

LOCAL VENDORS CAN SUPPLY:

200/50 Ton Crane - 63' Underhook, Rail Siding

4" Thick x 10' Long Plate Roll

Heavy Machining Capacity

Betatron

20' x 20' x 40' Long Blast/Paint Booth

Rail siding outside plant exit or in adjacent Bay 10,
served by Union Pacific



advanceboiler.com

Advance Boiler & Tank Co., LLC

6600 West Washington • #700 • West Allis, Wisconsin 53214

PHONE: 1-414-475-3120 FAX: 1-414-475-3129

Advance Thermotec (A Division of Advance Boiler)

PHONE: 1-414-475-2120 FAX: 1-414-475-2129

Staff

Ken Griffioen - President.
Dial Direct (414) 475-3125

Bill Andrae - Engineering Manager -
35+ years. Dial Direct (414) 475-3121
bandrae@advanceboiler.com

Gerry Zvara - Service Manager -
40+ years. Dial Direct (414) 475-3142
gzvara@advanceboiler.com

Dan Andrae - Sales/Marketing,
Customer Service Manager -
30+ years. (414) 475-3122
dandrae@advanceboiler.com

Randy Bauer - Inside Sales
Estimating - Tanks. (414) 475-3123
rbauer@advanceboiler.com

Bob Klaus - Purchasing
(414) 475-3124
bklaus@advanceboiler.com

Rick Broetzmann - Advance
Thermotec - General Manager -
Refractory - 35+ years. (414) 475-2123
rbroetzmann@advancethermotec.com

Tom Hoefler - Advance Thermotec -
Distribution Manager - 15+ years.
(414) 475-2124
thoefler@advancethermotec.com

John Weber - Quality Control.
475-4151
johnweber@advanceboiler.com

Jeff Preston - Manufacturing Manager.
(414) 475-4150
jpreston@advanceboiler.com

Boiler Repairs

- Boiler Re-tubing and Repairs
 - New Pressure Parts
- All Types of Welded Repairs
 - Hand-Hole Seat Grinding
 - Manhole Seat Grinding
 - Casing Repairs
- Fire Tube or Water Tube Boilers
- Air Heaters, Superheaters, Mills, Precipitators, Economizers
- Nozzle Replacement or Additions
- Tube Sheet Repairs or Replacement
 - Power Piping
 - Marine Boilers

Customers

WE Energies, Central Illinois Power, Consumers Energy, PPG Industries, Appleton Paper, Georgia Pacific, Miller Brewing, Vulcan Chemical, Milwaukee Public Schools, Bay Shipbuilding Company, Fort James Paper, Wisconsin Power & Light, Fox River Paper, University of Wisconsin Systems, Alstom Power - Environmental Div.

Refractory Material Sales & Construction Services

Power/Recovery Package Boilers

Ash Hoppers/Cyclones, Burners

Heat Treat/Forging/ Atmospheric/Car Bottom, and Annealing Furnaces

Foundry and Metal Castings Industry

- ◆ Lining Repairs/Removal/Replacement
 - ◆ Castables - Conventional/LW/AR/LC
 - ◆ High Alumina Plastic
 - ◆ Fire Brick - High Duty/High Alumina/Insulating
 - ◆ Mortars
 - ◆ Ceramic Fiber - Blanket/Board/Paper
 - ◆ Mineral Wool Board
 - ◆ Pre-cast Shapes
- ◆ Silicon Carbide Heating Elements - Globars
 - ◆ Sampling Cups
 - ◆ Cupola Blocks
- ◆ Insulating Castables
 - ◆ Door Blades
 - ◆ Tap Out Cones

Customers

WE Energies, Milwaukee Forge, Rexnord, GKN Sintered Metals, FPM Heat Treating, Service Heat Treating, Treat All Metals, Regal Beloit Corporation, Alcoa Aluminum, Waupaca Foundry, Thermal Transfer, PH Mining, Surface Combustion - State of Wisconsin

Tanks & Pressure Vessels

- ◆ Custom ASME and non-Code
 - ◆ U (Unfired) Stamp
- ◆ S (Fired) (Includes PP) Stamp
- ◆ Up to 15' in diameter, 60' long
 - ◆ Up to 220,000#
- ◆ Full Vacuum to 3000 PSIG
 - ◆ Carbon Steel

- ◆ 3xx Series Stainless Steels
 - ◆ Deaerators
 - ◆ Steam Drums
- ◆ Blowdown Tanks
- ◆ Custom Air Receivers
 - ◆ Storage Tanks
- ◆ Welded Pressure Parts
 - ◆ Simple Jackets
 - ◆ Ammonia Tanks

Tank Repair or Alteration (Shop or Field)

- ASME and non-Code
- Change in Design Pressure, Design Temperature
- Nozzle Replacement/Additions
 - Component Replacement
- Additional Access/Inspection Openings
 - Weld Build-up
 - Crack/Leak Repairs
 - Gasket Surface Repairs

Heat Exchanger Repair/Alteration (Shop or Field)

- Re-tube and Cleaning
- Replace Shell, Tube Sheets Nozzles, Packing, Baffles
- Straight Tube, U-tube, Finned
- Carbon Steel, 3xx Series Stainless Steels, Brass, Copper
 - De-scaling
- Additional Nozzles

Miscellaneous

- Dimple Jacket and Half Pipe Repairs
- ASME and non-Code Tank Erection
 - B31.1 (PP) Pressure Piping
 - Petroleum Terminal Repairs, Bottoms, Roofs, Shells
 - Armature Welding
- Hydrostatic Testing to 5000 PSIG

Major Customers

Fox River Paper, Appleton Paper, Georgia Pacific, Miller Brewing, Vulcan Chemicals, Milwaukee Public Schools, Fort James Paper, Wisconsin Power & Light, PPG, Duke Power, Fluor, Bechtel, Sterling, KCD, University of Wisconsin Systems, WE Energies, Alstom, Bay Shipbuilding Company, numerous school systems and other industrial installations



Advance Boiler & Tank Co., LLC
6600 W. Washington, #700 & #100
West Allis, Wisconsin 53214

Phone: 1-414-475-3120 Fax: 1-414-475-3129
Refractory: 1-414-475-2120 Fax: 1-414-475-2129
Boiler Repair: 1-414-475-3142/43 Fax: 1-414-475-2129

Boiler & Pressure Vessel Repairs & Alterations
Refractory Materials and Construction Services
ASME & Non-Code Tanks & Pressure Vessels
Heat Exchanger Repairs, Retubing, & Alterations

Address Correction Requested



CERTIFICATE OF AUTHORIZATION

This certificate accredits the named company as authorized to use the indicated symbol of the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the Code symbol and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this symbol shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

**ADVANCE BOILER & TANK CO., LLC
6600 WEST WASHINGTON STREET
SUITE 100
WEST ALLIS, WISCONSIN 53214**

SCOPE:

**MANUFACTURE OF PRESSURE VESSELS AT THE ABOVE LOCATION AND
FIELD SITES CONTROLLED BY THAT LOCATION**

AUTHORIZED: **JANUARY 27, 2005**

EXPIRES: **JANUARY 31, 2008**

CERTIFICATE NUMBER: **1,571**

A handwritten signature in black ink, appearing to read "Richard S. Burden".

Chairman of The Boiler
And Pressure Vessel Committee

A handwritten signature in black ink, appearing to read "Alan Bar".

Director, Accreditation and Certification





CERTIFICATE OF AUTHORIZATION

This certificate accredits the named company as authorized to use the indicated symbol of the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the Code symbol and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this symbol shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

**ADVANCE BOILER & TANK CO., LLC
6600 WEST WASHINGTON STREET
SUITE 100
WEST ALLIS, WISCONSIN 53214**

SCOPE:

MANUFACTURE AND ASSEMBLY OF POWER BOILERS AT THE ABOVE LOCATION AND FIELD SITES CONTROLLED BY THE ABOVE LOCATION

AUTHORIZED: **JANUARY 27, 2005**

EXPIRES: **JANUARY 31, 2008**

CERTIFICATE NUMBER: **1,570**

A handwritten signature in cursive script, appearing to read "Richard L. Gardner".

Chairman of The Boiler
And Pressure Vessel Committee

A handwritten signature in cursive script, appearing to read "Alan Bar".

Director, Accreditation and Certification



**THE NATIONAL BOARD
OF
BOILER & PRESSURE VESSEL INSPECTORS**

Certificate of Authorization



This is to certify that

**ADVANCE BOILER & TANK CO., LLC
(ABT CO LLC)
6600 W. WASHINGTON STREET
WEST ALLIS, WISCONSIN 53214**

is authorized to use the "R" SYMBOL in accordance with the provisions of the National Board.

The scope of Authorization is limited as follows:

***REPAIRS AND/OR ALTERATIONS AT THE ABOVE LOCATION
AND EXTENDED FOR FIELD REPAIRS AND/OR
ALTERATIONS CONTROLLED BY THIS LOCATION***

CERTIFICATE NUMBER: R-8

ISSUE DATE: JANUARY 28, 2005

EXPIRATION DATE: JANUARY 31, 2008



Executive Director

A handwritten signature in black ink, appearing to read 'Robert E. Tawson'.

**THE NATIONAL BOARD
OF
BOILER & PRESSURE VESSEL INSPECTORS**

Certificate of Authorization



This is to certify that

**ADVANCE BOILER & TANK CO., LLC
6600 W. WASHINGTON STREET
SUITE 100
WEST ALLIS, WISCONSIN 53214**

is authorized to apply the “NB” mark and register boilers, pressure vessels, or other pressure retaining items with the National Board in accordance with its provisions.

The scope of Authorization is limited to items manufactured in accordance with:

ASME Stamp(s): SU

ISSUE DATE: JANUARY 31, 2005

EXPIRATION DATE: JANUARY 31, 2008



Executive Director

A handwritten signature in black ink, appearing to read 'Robert E. Tawson'.