

R. A. Pfannenstiel

January 2004

P. O. Box 636
Old Saybrook, CT 06475
(860) 830-4990

Professional Experience

PfiNDE, LLC (same as Spin except sole owner) 2004 to Present

SPIN, LLC 1996 to 2004

Old Saybrook, Connecticut

Partner / Manager - Level III UT, RT, MT, PT and VT. Consulting and project management for NDE and inspection projects. Training of technicians in use of FAST UT technique. Hands-on technician and supervisor on various inspection and NDE projects. Received co-patent for FAST UT technique.

EXPERIENCE:

Total of 30 years of experience in nondestructive testing and inspection services as follows:

Last 6 years as consultant and NDE project manager. Much of this time devoted to fitness for duty examinations for the Pipeline Industry. Followup examinations to “in line inspection” tools. Assessments of long seam cracking in flash welds and ERW; much of it pre 1970 pipe. Also assessments of SAW and DSAW seam welds. The last year was almost entirely assessing and depth sizing of SCC. All projects assessed dents and 3rd party damage as well. Over 500 excavations personally assessed.

14 years with 3rd party testing laboratories, 6 years with fossil and nuclear power utilities, 5 years with aerospace and military applications.

Variety of roles from “hands on” technician through vice-president. Examples below:

Manager of field service NDE inspection laboratories of up to 75 people

Data review and verification for nuclear and other NDE projects

Expert NDE data analysis and 3rd party examiner

Fitness for service inspections and NDE analysis

Nuclear ISI Level III technician, supervisor, and data review

Training of personnel in FAST UT and other NDE techniques

Level III technician in UT, RT, MT, PT, VT

Radiography program manager for several radiography licenses

Sales of NDE services up to \$3,000,000 per year

NDE project proposal preparation

Radiation Safety Officer for several radiography licenses

Procedures for NDE and inspections

QA program for test lab for nuclear and for commercial applications

Training and qualification of NDE and ISI personnel

NDE inspector (nuclear, bridges, buildings, petrochemical, aerospace, pipelines, paper)

Layout inspector and dimensional inspector for aerospace casting manufacturer

Welding inspector and quality control inspector

Co-developer of FAST UT technique. Patented technology for detection and sizing of planar flaws.

Project manager for FAST applications – Pipelines and power generation

Training of personnel in use of FAST

Certification Summary (current and previous)

ASNT – Professional Level III Level III UT, RT, MT, PT, VT **(current)**

Note: ASNT Level III since 1978

Longview Insp., Cramer & Lindell Div.,

and Cramer & Lindell, Div. of Hellier NDT,

and Rust Utility Services C&L Division

Northeast Utilities

Cramer and Lindell Engineers Inc.

LILCO

Trutom (US) LTD

Hayward Tyler

Space Research Corp.

EPRI (BWROG)

Level II Special UT

detection of IGSCC

sizing of IGSCC

weld overlay exams

PDI (ASME XI Appendix VIII)

UT of welds including IGSCC with length

& depth sizing “Generic” and FAST procedures

UT inspector **(current)**

New York State, DOT

FAA

Air repairman for UT, RT, MT, PT and VT

NAVSEA

250-1500 examiner for RT

Radiation Safety Officer and/or Program Manager for radiography licenses for:

NRC, New York, Idaho, Washington, Utah

AWS

Certified Welding Inspector **(current)**

DOD “Secret” Clearance and DOE “E” Clearance

Education and Specialized Training

University of Connecticut

BA degree 1975 with major in biology

Defect Assesment for Pipelines

Clarion Publishing – Fall 2003, Calgary, AB

EPRI UT detection of IGSCC, sizing of IGSCC and weld overlay examination

EPRI ASME XI visual Level II

ASNT Level III refreshers

RT, UT, MT, PT

Tech-ops and RTS Radiography Program Administrator Seminars

FAI Failure Analysis

Acoustic Valve Leak Analysis

ASME XI seminars

Patents, Papers and Presentations

“Demonstration of Capabilities for UT Examination of Cast Stainless Steel Components”

Written with S. Volk, Yankee Atomic and Greg Selby, EPRI

Dec. 1994

“NU-LW-1 Procedure for Qualification at PDI”

Written and presented with othes, Northeast Utilities

Oct. 1994

“Detection and Sizing with FAST Ultrasonics”

40 hour class written for SPIN

May 1996

Patent number 5,804,730 - FAST Ultrasonics

With other, a revolutionary ultrasonic inspection technique.

Detection and sizing are done in same operation.

Sept. 1998



The American Society for Nondestructive Testing, Inc.

Be it known that

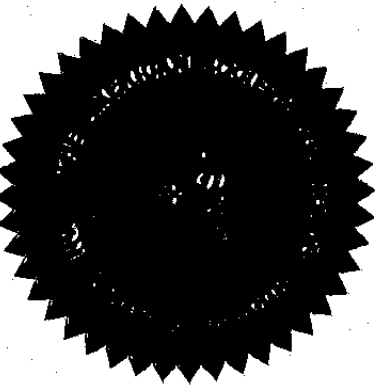
Richard A Pfannenstiel

has met the established and published Requirements for Certification by ASNT as

NDT Level III

in the following Nondestructive Testing Methods:

<u>Method</u>	<u>Issue Date</u>	<u>Expiration Date</u>
Magnetic Particle	6/03	6/08
Liquid Penetrant	6/03	6/08
Radiographic Testing	6/03	6/08
Ultrasonic Testing	6/03	6/08
Visual and Optical	6/03	6/08



Certificate Number **10264**

ASNT President

Certification Management Council Chair



ASNT Central Certification Program

Be it known that

Richard A Pfannenstiel

has met the established and published Requirements for
Certification by ASNT as

ACCP Professional Level III

in the following Nondestructive Testing Methods:

<u>Method</u>	<u>Sector</u>	<u>Issue Date</u>	<u>Expiration Date</u>
Magnetic Particle Testing	GI;PE	06/03	06/08
Liquid Penetrant Testing	GI;PE	06/03	06/08
Radiographic Testing	GI;PE	06/03	06/08
Ultrasonic Testing	GI;PE	06/03	06/08
Visual and Optical Testing	GI;PE	06/03	06/08



10264

Certificate Number

ASNT President

Certification Management Council Chair

American Welding Society



Certifies that Welding Inspector

Richard A Pannensteiel

*has complied with the requirements of Section 6.1
of the AWS Standard for Qualification and
Certification of Welding Inspectors QC1-96*

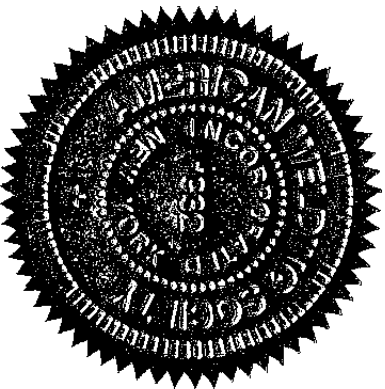
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CERTIFICATE NUMBER

November 2002

VALID DATE

EMPLOYER: REFER TO WALLET CARD FOR
VALIDITY AND EXPIRATION DATE



[Signature]
PRESIDENT AWS

[Signature]
CHAIRMAN QUALIFICATION COMMITTEE

CHAIRMAN CERTIFICATION COMMITTEE