

Southwestern Engineering Co

A SUBSIDIARY OF CRONUS INDUSTRIES, INC.



2702 WEST 9th STREET
JOPLIN, MISSOURI 64801
TELEPHONE • 417-782-5080

April 26, 1985

Region III NRC
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Operating and emergency procedures Section VIII (Emergency Notification)
is to be amended as follows:

Emergency Phone No's.

David Rucker	RSO/Level III	417 623-3379
Tim Harris	Ass't. RSO Level II	417 781-9083
Henry Tietz	Mfr's. Rep.	918 835-6496
Richard Duke	QC Mgr.	417 782-2311

Enclosed are resumes and copies of RT experience for the above. Note that David Rucker was on the California State Radioactive Material License No. 1309-70 Amendment 20 & 21 (copy in resume).

Enclosed is check in amount of \$230.00 for amendment fee.

SOUTHWESTERN ENGINEERING CO.

David M Rucker

David M. Rucker
RSO/Level III

DMR:cj

Encl.

F. H. Linley, Jr.
F. H. Linley, Jr. PE
Vice-President, Quality Assurance
& Technical Services

RECEIVED
MAY 03 1985
REGION III

MAY 3 1985

Applicant	May 11
Check No.	2811
Amount	Fee Category \$230
Type of Fee	30.90
Date Check Rec'd	5/10/85
Received By	[Signature]

8508150084 850731
REG3 LIC30
24-19500-01 PDR

CONTROL NO. 78866

OF THE INDIVIDUALS LISTED ON THE EMERGENCY
PROCEDURES, ONLY DAVID RUCKER + TIM HARRIS
ARE AUTHORIZED TO ACT AS RADIOGRAPHERS



* DAVID M. RUCKER, LEVEL III NDE, LEAD AUDITOR

Mr. Rucker is SECO's Level III, NDE, responsible for the qualification of NDE personnel and procedures to meet the requirements of ASME Section V, III Classes 2 and 3, Section I and Section VIII, Division 1. He is the Company's radiation safety officer. He also is certified as the Company's Quality Assurance Engineer and Lead Auditor of material manufacturers and SECO's in-house audit systems per sub-section NCA, and NQA-1. He is also conversant with ANSI N 45.2 and its daughter documents, Titles 10-CRF-50 Appendix B and 10-CRF Parts 19, 20 & 34.

Mr. Rucker has been employed by the Southwestern Engineering Company for 12 years. His service has been in visual and NDE inspection including isotope and X-ray; UT, MT, PT, ET and LT disciplines. He has trained and organized in-house audit activities. Mr. Rucker has performed many field assignments on visual inspection and NDE, including service overseas, on nuclear and fossil plant activities.

Mr. Rucker is a graduate of the California State Polytechnic University, Pomona. His BS Degree is in Engineering Technology with specialties in Non-Destructive Examination, Metallurgy and Mechanical Engineering. He also earned an Associate of Science Degree from Don Bosco Technical Institute in Metallurgy, with emphasis on NDE. He has been on the teaching staff of Don Bosco, including ET course chairman. He is a member and also teaches courses for the American Society for Metals.

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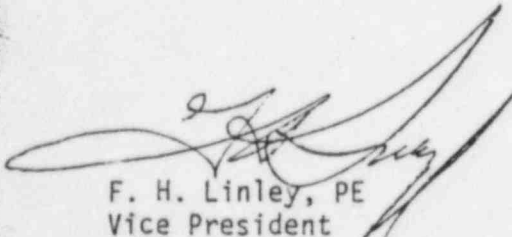
C E R T I F I C A T I O N

Based upon continuing satisfactory performance and practical re-examination

DAVID M. RUCKER

is Re-certified to Level III in accordance with the requirements of ASME
ASNT TC 1 A, 1980 Edition in the following nondestructive examinations:

Radiography
X-ray, CO 60, IR 192
Ultrasonic
All Categories
Magnetic Particle
Dry and Wet
Liquid Penetrant
Groups I and II
Eddy Current
Encircling Coil
Internal Probe
Surface Probe
Leak Testing
Air/Bubble
Halide
Helium


F. H. Linley, PE
Vice President
Quality Assurance and Technical Services

FHL:cj

DATED: October 20, 1983

Quality Engineering License #QU 4599
State of California

RADIOACTIVE MATERIAL LICENSE

License Number 13

Supplementary Sheet

Amendment Number

Southwestern Engineering Company
6111 East Bandini Boulevard
Los Angeles, CA 90054

ATT: David M. Rucker,
Radiation Safety Officer

In response to the letters dated December 15, 1976 and September 8, 1977, both signed by Ernest Franklin, License No. 1309-70 is hereby amended in part as follows:

To read:

11. The individuals listed below are the only persons authorized to act as radiographers under this license:

- (a) David M. Rucker
- (b) Robert Ormesher

12. The radiation safety officer in this program shall be David M. Rucker. The alternate radiation safety officer in this program shall be Robert Ormesher.

For the State Department of Health

Date November 22, 1977

by

Radiologic Health Section

714 P Street, Sacramento, CA 95814

RH 2551 (1/77)

STATE OF CALIFORNIA
DEPARTMENT OF HEALTH

Page 1 of 1

RADIOACTIVE MATERIAL LICENSE

License Number 13

Supplementary Sheet

Amendment Number

Southwestern Engineering Company
6111 East Bandini Boulevard
Los Angeles, CA 90054

Attention: David M. Rucker
Radiation Safety Officer

In response to the letter dated October 28, 1977 signed by Mr. John W. Lewis, License No. 1309-70 is hereby amended in part as follows:

To add:

11. (c) Donald Rex Cox

CONTROL NO. 3866

Mr. Van D. Hall, Quality Control Manager, Duke Manufacturing, Inc.
16920 East Young Street, Tulsa, Oklahoma
918-234-3010

Mr. Wade Little, Director of Marketing, Johnson Manufacturing Co.,
1240 North Harvard, Tulsa, Oklahoma
9180494-0992

C O P Y

RICHARD N. DONELSON
AND ASSOCIATES

RADIATION PHYSICS
HEALTH PHYSICS
NUCLEAR CONSULTING

6825 BIANCA
VAN NUYS, CALIF.
(213) 9E

April 2, 1975

Mr. Bob Strange
Southwestern Engineering
P. O. Box 54940, Terminal Annex
Los Angeles, California 90054

Dear Bob:

Enclosed are certificates and a letter, which you may wish to copy and forward to the state in connection with licensing.

For your information, the test scores were as follows:

	<u>Quiz I</u>	<u>Quiz II</u>	<u>Quiz III</u>	<u>Final</u>	<u>Total</u>
Rucker	9.0	10	9.5	65	93.5
Vaughan	6.7	9		44	
Denis	6.9	8	4.4	44	63.3
Hubel	6.7	7	3.6	48.5	65.8
Ormesher	7.6	6	8.3	60.5	82.4
Strange	6.6	10	7.7	59.5	83.8

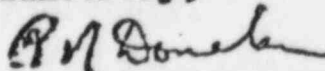
After retesting:

Denis	10	45	69.9
Hubel	10	57.5	81.2

Denis still did not quite make the 70% criterion. However, I cannot say that my testing is accurate enough to tell the difference between 69.9 and 70, and I am therefore saying that he is qualified.

Let me know if you have any questions.

Sincerely,


R. N. Donelson

RND:dd

Encl's

CONTROL NO. 78866

C O P Y

RICHARD N. DONELSON
AND ASSOCIATES

RADIATION PHYSICS
HEALTH PHYSICS
NUCLEAR CONSULTING

6825 BIANCA A
VAN NUYS, CALIF.
(213) 987

April 2, 1975

Southwestern Engineering
P. O. Box 54940, Terminal Annex
Los Angeles, California 90054

Att: Mr. R. A. Strange

Dear Mr. Strange:

The following individuals attended the 32-hour radiation training course for radiographers, presented at Southwestern Engineering in February, 1975:

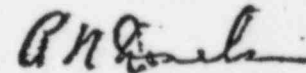
Dave Rucker
William Vaughan
Robert Denis
Wenzel Hubel
Connie Ormesher
Bob Strange

Soc Sec No
573-96-8410
536-42-6595
570-64-7135
555-42-7737
532-56-4399

In the opinion of the writer, all of the above, with the exception of Mr. Vaughan, who did not complete the course, satisfactorily demonstrated understanding of the material presented.

Please advise if we may be of further service.

Very truly yours,



R. N. Donelson, CHP

RND:dd

CONTROL NO. 7:8866

Certificate

DAVID RUCKER

has successfully completed the
RADIATION SAFETY COURSE
for

RADIOGRAPHERS

PRESENTED BY
RICHARD DONELSON & ASSOCIATES

Richard Donelson
Southwest Eng. Co. 4-7-75

R. Donelson 7-7-75

Los Angeles City Unified School District
Division of Career and Continuing Education

Achievement Award

David M. Rucker

having received 60 hours of instruction in
Pressure Vessel Welding and Inspection

is awarded this certificate in recognition of creditable achievement

Given at Los Angeles, California

this 24 day of January nineteen hundred and 79

CARSON-BANNING COMMUNITY ADULT SCHOOL

Carl R. Franer

Instructor

Daniel L. McConley

Principal

California State Polytechnic University

Pomona

*The Trustees of The California State University and Colleges on
recommendation of the University Faculty have conferred upon*

David Martin Rucker

' the degree of
Bachelor of Science

Engineering Technology

**Given at Pomona, California, on the seventeenth day of March,
nineteen hundred seventy-eight**



Carroll D. Murphy
Chancellor Board of Trustees

Edward L. Ryan
Governor of California and President of the Trustees



James S. Shanks
Chancellor of The California State
University and Colleges

Alfred O. LaBounty Jr.
President of the University
(Acting)

San Jose State University College of Engineering

Upon recommendation of the Faculty
confers upon

David Martin Rucker

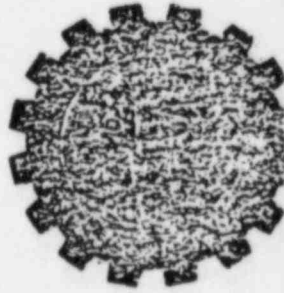
the degree of

Associate in Science

in recognition of the completion of the course of study
prescribed for this degree with a major in

Metallurgical Technology

Given at Rosemead, County of Los Angeles, in the State of California
this first day of June, nineteen hundred seventy-three



Paul Mehren

Chairman Board of Trustees

Thomas Pendville

President

Certificate of Completion

This certifies that

David M. Rucker

has satisfactorily completed the Metallurgical Course entitled

Welding Inspection and Quality Control

co-sponsored by the
American Welding Society
and

American Society for Metals

and in testimony thereof is awarded this

**CERTIFICATE and 5.0
CONTINUING EDUCATION UNITS**

this 11 day of **Feb.**, 1981



AMERICAN WELDING SOCIETY

John W. Williams
President



AMERICAN SOCIETY FOR METALS

John E. Giacoble
President



STATE BOARD OF REGISTRATION
FOR PROFESSIONAL ENGINEERS



THIS IS TO CERTIFY THAT PURSUANT TO
THE PROVISIONS OF CHAPTER 7, DIVISION 3 OF THE BUSINESS AND PROFESSIONS CODE

DAVID MARTIN RUCKER

IS DULY CERTIFIED AS AN

ENGINEER-IN-TRAINING

IN THE STATE OF CALIFORNIA, AND IS ENTITLED TO ALL THE RIGHTS AND
PRIVILEGES CONFERRED IN SAID CODE



CERTIFICATE No. 47813

THIS 9th DAY OF January 1980

STATE BOARD OF REGISTRATION
FOR PROFESSIONAL ENGINEERS

THIS CERTIFICATE IS THE PROPERTY OF THE STATE OF CALIFORNIA AND IN THE EVENT OF ITS SUSPENSION, REVOCATION OR
INVALIDATION FOR ANY REASON IT MUST UPON DEMAND BE RETURNED TO THE STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS
OIL-24 (REV. 3-80)

11709-301 2-80 6M ① 0 DSP

CONTROL NO. 78866



BOARD OF REGISTRATION FOR
PROFESSIONAL ENGINEERS

1006 FOURTH ST., SIXTH FLOOR, SACRAMENTO, CA 95814

TELEPHONE: (916) 443-5344

January 11, 1980

David Martin Rucker
10642 Abisko Drive
Whittier, CA 90604

CONGRATULATIONS!

We are pleased to inform you that you have been successful in passing the recent Engineer-in-Training examination administered by this Board. Your Certificate will be prepared and forwarded to you within the next few weeks.

NO SCORES ARE PROVIDED FOR THOSE WHO RECEIVE A PASSING GRADE.

Upon completion of the experience requirements stated in Section 6751 of the Professional Engineers' Act you are eligible to apply for professional registration.

The Board recognizes the effort which you have made to gain certification as an Engineer-in-Training and congratulates you on this achievement.

STATE BOARD OF REGISTRATION
FOR PROFESSIONAL ENGINEERS

OLE-1 (Rev. 1-78)

47813 REGISTRATION PRINTERS HAVE NOT YET

MAD: CERTIFICATES 5/29/80 JMK

ASNT NDT LEVEL III REFERENCE LETTER

American Society for Nondestructive Testing
3200 Riverside Drive, Columbus, Ohio 43221
Telephone: (614) 488-7921

Name and Address of Reference — (Print or Type)

Date August 25, 1977

Fred H. Linley, Jr.
Manager, Quality Assurance
Southwestern Engineering Company
6111 E. Bandini Blvd.
Los Angeles, California 90040

Dear Mr. Linley:

I have filed with the American Society for Nondestructive Testing an application for Certification as a Level III in the following test methods which have checked and have referred to you as having personal knowledge of my qualifications:

Ultrasonic ☒ Radiographic ☒ Eddy Current _____ Magnetic Particle ☒

Penetrant ☒ Leak Testing _____ Neutron Radiography _____

Your prompt return of this form to the ASNT Certification Department at the above address, filled out as completely as possible, will expedite disposition of my application and will be appreciated.

Thank you for your assistance.

Sincerely,

DAVID M. RUCKER

Name of Applicant (Print or Type)

Signature of Applicant

10642 Abisko

Street and Number

Whittier, California

City

State

90604

Zip Code

— THIS PART TO BE COMPLETED BY REFERENCE —

1. GENERAL BACKGROUND

(a) I have personal knowledge of this Applicant's work experience from

April, 1975

to Present

(Use month and year)

(b) I have knowledge of this Applicant's personal background from

April, 1975

to Present

(c) My relationship with this Applicant:

____ Employer

☒

Supervisor

____ Co-Worker

____ Other (explain) _____

(d) I am (am not) related to the Applicant by blood or marriage.

If so, how N/A

(e) I am familiar with the ASNT requirements for Certification of Level III NDT personnel: Yes ☒ No _____

APPLICANT TO COMPLETE

2. (a) My knowledge of this Applicant's Nondestructive Testing work experience is as follows:

	Dates		Job Title	Employer	
	From	To		Name	Address
A	8/73	Present	NDE Inspector	SOUTHWESTERN ENGINEERING CO.	
	4/75	Present	Quality Assurance Engineer	6111 E. BANDINI BLVD. COMMERCE, CALIFORNIA	
B					
C					
D					

2. (b) Please explain the Nondestructive Testing activities and levels of responsibility that Applicant had to qualify in the method(s) for which Certification is requested:

A For several years Mr. Rucker has been responsible on a daily basis, for the performance of Level I and Level II operations for ultrasonic, magnetic particle and liquid penetrant examinations. He has frequently been engaged in Isotope and X-Ray radiography. He also frequently is the Level II interpreter for radiographic examinations.

Mr. Rucker has been a significant participant in the development of nondestructive examination procedures to meet the requirements of Section V of the ASME Code. In the case where he has not been directly involved in the writing of a procedure he has been involved in the approval of such a procedure. He has also been responsible for the training of other individuals to qualify as Level I and Level II NDE Inspectors.

B In the course of his work, Mr. Rucker has been responsible for interpretation nondestructive examinations in nuclear as well as conventional power plants and petroleum refineries. We have complete confidence in the work he has performed in these assignments.

We can attest to the fact that Mr. Rucker has been a conscientious student as well as a worker for a large number of years. He has serviced full shifts at work and also maintained a heavy academic schedule. We are pleased to report that he has not only been most competent as a NDE Inspector, but also has simultaneously achieved an excellent academic record.

C It is a pleasure to recommend Mr. David Rucker for Level III Certification under the requirements of the American Society for Nondestructive Testing.

CONTROL NO. 78866

(e) Please rate the quality of the Applicant's overall work.

EXCELLENT

(f) Please evaluate the Applicant's judgment in the areas where you have specific knowledge. Has the Applicant demonstrated the ability to make sound decisions?

Yes ☒ No ☐ Don't Know ☐

I have complete confidence in Mr. Rucker's decisions on nondestructive examinations.

Signature

Company SOUTHWESTERN ENGINEERING CO.

6111 EAST BANDINI BOULEVARD

LOS ANGELES, CALIFORNIA 90040

Date August 25, 1977

Title MANAGER, QUALITY ASSURANCE

Professional Engineering Certificate No. 25289

State Issued State of New York

Branch of Engineering Mechanical

ASNT Member Yes ☒ No ☐

ASNT Fellow Yes ☒ No ☐

MAIL TO:

The American Society for Nondestructive Testing
Certification Department
3200 Riverside Drive
Columbus, Ohio 43221

TIMOTHY LEON HARRIS

Address

918 South Louisville
Tulsa, Oklahoma 74112
(918) 836-6151

Personal Information

Born September 9, 1951
U.S. Citizen by birth
Non-married
Height: 6 feet
Weight: 190 pounds

Educational Data

Nathan Hale High School, Tulsa, Oklahoma
Northeastern State University, Tahlequah
Oklahoma (Two years)
F.L. Clifford, Hartford, Connecticut (Radiation
Safety-120 hours) Spartan School of Aeronautics
(Magnetic Partical Testing-Four Month Course)

Military Service

U.S. Navy--Four Years--Honorable Discharge

Occupational Preference

Quality Control Inspection
NDT Technician
Security

Employment History

Globe X-Ray Services, Tulsa, Oklahoma - R.T., M.T.,
P.T.
November 1982 - Present

Consolidated X-Ray Service Corporation
Gulf Coast Division
March 1982 - October 1982

Globe X-Ray Services, Tulsa, Oklahoma - R.T., M.T.,
P.T.
August 1979 - February 1982

Mazie Landing Resort - Partner
Sold
May 1978 - June 1979

Employment History

H.P. & Assoc., Tulsa, Oklahoma (Owner, Partner)
R.T., P.T., M.T.
January 1976 - March 1978
(Sold)

References

Wayne Fleshner, Vice-President
LaBarge, Inc.
Tubular Division
St. Louis, MO
1-800-325-3363

Ron Hixon
Latoka Engineering Co.
4900 S. Lewis
Tulsa, Oklahoma
918-747-2771

Edwin A. Moore, President
Fine Furniture Finishing
E. A. Moore, Inc.
3112 (A) East Pine
Tulsa, Oklahoma
918-834-2801

RICHARD M. DUKE - DATA SHEET
10015 EAST 40th STREET
TULSA, OKLAHOMA 74145
918-665-3573

EDUCATION

High School: Diploma - Abilene Cooper High School, Abilene, Texas, June 1962

College: One year, Texas Technological College, Lubbock, Texas 1962-1963. One semester, McMurray College, Abilene, Texas spring semester, 1964. Graduated from Tulsa Junior College in May, 1973 with an Associates Degree in Business Management. Attended University of Tulsa and in May 1977 completed ninety-six hours toward a degree in Industrial Management.

Special Training: One forty hour course in "Principles of Metal Treating", conducted by the Mechanical Engineering Institute. One forty hour course in "Electro-plating and Metal Finishing", conducted by the Mechanical Engineering Institute. One forty hour course in "Ultrasonic Inspection and Measuring", conducted by Krautkramer Ultrasonics, Inc. One forty hour course in "Isotopes and Industrial Radiography", conducted by the Picker Corporation. One forty hour course in "X-ray Radiography and Film Interpretation", conducted by Metallurgical Lab at Bell Helicopter. This also required refresher courses of two-day duration each six months for re-certification to interpret film. I attended these refresher courses six times for an additional ninety six hours. One forty hour course in "Executive Leadership Training", conducted by Executive Associates, Incorporated. One forty hour Ultrasonic course in "Angle Beam Weld Inspection", conducted by Balteau Electric Corporation. One forty hour course in "Statistical Process Control", conducted by Statmetrix Institute at Rutgers University.

EXPERIENCE

Automation Industries, Inc. Abilene, Texas: Primarily built main rotor and tail rotor assemblies for Bell Helicopter Company. Employed from May 1964 to July 1965, as Shipping and Receiving Clerk. Promoted to Production Control Expeditor July 1965 thru May 1966.

Crescent Precision Products, Tulsa, Oklahoma: Primarily built main rotor and tail rotor assemblies for Bell Helicopter Company. Employed from May 1966 thru June 1967 as Machine Parts Inspector. From June 1967 thru April 1970, I did all film interpretation on castings and forgings. During this time I also did some vendor surveys and all pre-planning of inspection points.

This included review of customer specifications and blue prints for any special inspection checks or metal processing requirements. Also supervised all Quality Assurance records, including certification of personnel and all Quality Documentation.

Yuba Heat Transfer, Inc., Tulsa, Oklahoma: Primarily builds pressure vessels for the Nuclear and Fossil Fuel Industry. Employed from April 1970 thru July 1970, as Supervisor of Quality Assurance Records, this included maintenance of all Quality Records and comprising ASME data sheets on all ASME pressure vessels. From July 1970 to April 1972, I worked as the Assistant to the Quality Assurance Engineer. This consisted of processing all non-conformance reports, evaluating and reporting monthly costs in the areas of rework and scrap. Assisted in review of customer specifications and implementation of inspection check points. I also had direct responsibility for the Tube Bending Plant and I worked on the production floor as in-process inspector for better understanding of the fabrication of pressure vessels. From April 1972 to March 1974, I was the Supervisor of Non-Destructive Examination. I had under my direct supervision three radiographers and two assistant radiographers. In addition to supervising radiographer work, I also did all the film interpretation to ASME Section III and VIII; and MIL-STD. 271D. I performed or supervised all Ultrasonic, Dye Penetrant and Magnetic Particle Inspections.

Procon, Inc., Des Plaines, Illinois: Engineers, designs and constructs refinery and chemical plants; both foreign and domestic. I was employed as field inspector/expeditor from March 1974 to May 1976. This job consisted of making vendor contacts at inception of job, to insure all the following:

- (1) Contact engineering department; see that all drawings and weld procedures were submitted for review prior to fabrication.
- (2) Contact purchasing department to insure all material is put on order to insure receipt of material for fabrication and completion according to purchase order requirements.
- (3) Maintain constant inspection during fabrication to insure all specifications procedures and tests are being performed as required.
- (4) Review all job specifications and customer specifications.
- (5) Review or consult with vendor on any problems or potential problems which might delay completion of job.

Yuba Heat Transfer Corporation, Tulsa, Oklahoma: Manufacturer of pressure vessels for both the utility and process industries. I was employed from May 1976 to April 1981, as Chief Inspector. I had under my supervision, fifteen floor inspectors at two facilities. I was responsible for all Quality Control at Yuba. This included but was not limited to, any shop problems related to fabrication or design. In addition to my duties as manager, I was a member of a three man "Material Review Board" that met twice daily, to make non-conformance dispositions and corrective action on all manufacturing, engineering or quality problems. On occasion I assisted with field service problems when they related to Yuba quality. Although not responsible for, I was directly associated with Quality Assurance in all phases. This included surveys, audits, manual changes, certifications, documentation etc. I am certified Level 11, by written examination in all areas of N.D.E. to SNT-TC-1A. I have also passed the AWS "Welding Inspector" examination. I was also in direct contact with all customer inspectors and expeditors.

Johnson Manufacturing Co., Hinderliter Industries, Inc Tulsa, Ok.: Manufacturer of lifting equipment for the wire rope and rigging industries. I was employed from April 1981 to July 1983 as Manager of Quality Assurance. I was responsible for all Quality functions for Johnson Manufacturing. I had eighteen inspectors and one chief inspector under my direct supervision. I was a member of the Management Committee and answered directly to the President. Inspection functions involved incoming material, in-process assembly and shipping; also non-destructive testing. I performed all vendor surveys and was involved in field service complaints. I was Chairman of the Material Review Board.

PERSONAL DETAILS

I am thirty-nine years old, born May 15, 1944, married with two children. I am currently studying to be certified to Level 111 in "UT" and a member of A.S.N.T. and A.S.Q.C.

REFERENCES

Mr. Fred Wilkerson, Director of Staff Services, Yuba Heat Transfer Corporation, 2121 North 161st East Avenue, Tulsa, Oklahoma
918-234-3684