

VOID SHEET

TO: License Fee Management Branch

FROM: Regis III

SUBJECT: VOIDED APPLICATION

Control Number: 90151

Applicant: STS Consultants, Ltd.

Date Voided: 11/29/90

Reason for Void: _____

Licensee's request to show July 3, 1990
letter was completed under
C/W 89850. This is a duplicate
All fees have been paid for
Cheryl Phillip

James G. Hill 11/29/90
Signature Date

Attachment:
Official Record Copy of
Voided Action

FOR LFMB USE ONLY

Final Review of VOID Completed:

- Refund Authorized and processed
- No Refund Due
- Fee Exempt or Fee Not Required

Comments: _____

Log completed
Processed by: [Signature]

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

PROGRAM CODE: 03121
STATUS CODE: 0
FEE CATEG: Y: 3P
EXP. DATE: 19930228
FEE COMMENTS:

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: STS CONSULTANTS LTD.
RECEIVED DATE: 300904
DOCKET NO: 3020040
CONTROL NO.: 890151
LICENSE NO.: 48-21211-01
ACTION TYPE: AMENDMENT

*Used
Duplicate of
38980*

2. FEE ATTACHED
AMOUNT: -----
CHECK NO.: *P* -----

3. COMMENTS

SIGNED *P. Stiff*
DATE *9-18-90*

5. LICENSE FEE MANAGEMENT BRANCH CHECK WHEN MILESTONE 03 IS ENTERED *(✓)*

1. FEE CATEGORY AND AMOUNT: *3P* -----

2. CORRECT FEE PAID. APPLICANT'S FEE PROCESSED FOR:
AMENDMENT -----
RENEWAL -----
LICENSE -----

3. OTHER -----

SIGNED -----
DATE -----

Fee

CONVERSATION RECORD

TIME

DATE

4/29/70

TYPE

 VISIT CONFERENCE TELEPHONE INCOMING OUTGOING

ROUTING

NAME/SYMBOL INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

ORGANIZATION (Office, dept., bureau, etc.)

TELEPHONE NO.

Meryl Phillips

2FDCB

SUBJECT c/n 90151

SUMMARY

Register on account

Licensee's Letter Dated July 2, 1990 was

under c/n 69850

completed & issued on Sept. 25, 1990. c/n

90151 is a duplicate of c/n 69850.

Has Licensee paid all the fees?

Reply: yes. - c/n 90151 can

be voided.

ACTION REQUIRED

Void c/n 90151

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

Kim G. Hull

4/2

ACTION TAKEN

SIGNATURE

TITLE

DATE

CONVERSATION RECORD

TIME 3:30

DATE 11/28/90

TYPE

VISIT

CONFERENCE

TELEPHONE

ROUTING

INCOMING
 OUTGOING

NAME/SYMBOL INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

ORGANIZATION (Office, dept., bureau, etc.)

TELEPHONE NO.

Carter Bohn

STS Consultants

SUBJECT

July 3 1990 request for an and to 48-21211-70 CN 390151

SUMMARY

Mr. Bohn informed me that this request had been processed. See Control No. 389850, and #3 dated 9/25/90

Fee was paid for CN 389850

Duplicate of 389850

ACTION REQUIRED

Forward to etc following

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

Cruz Phillips

11/28/90

ACTION TAKEN

SIGNATURE

TITLE

DATE

DOT 10 1990

STS Consultants Ltd.
ATTN: Carter L. Bohn
11425 West Lake Park Drive
Milwaukee, WI 53224

Gentlemen:

This refers to your letter dated July 3, 1990, (postmarked August 27, 1990) for an amendment to Materials License 48-21211-01.

Your request is subject to an amendment fee of \$300 as specified in fee Category (3P) of \$170.31, 10 CFR 170, which went into effect July 2, 1990. A copy of the May 23, 1990, Federal Register notice regarding the revision to the Commission's fee regulations is enclosed. Payment of the \$300 fee should be made to the U.S. Nuclear Regulatory Commission and mailed to the following address:

U.S. Nuclear Regulatory Commission
ATTN: Cheryl Phillips
License Fee and Debt Collection
Branch, OC/DAF
Mail Stop MNBB 4503
Washington, DC 20555

Your application will be processed by the Region III Licensing staff located at 799 Roosevelt Road, Glen Ellyn, Illinois 60137. The fee, however, is required prior to issuance of the amendment. When submitting the fee, please refer to CONTROL NUMBER 390151.

If we do not receive a reply from you within 30 calendar days from the date of this letter, we shall assume that you do not wish to pursue your application and will void this action.

Sincerely,

Signed by
Maurice Messier

Maurice Messier
License Fee and Debt Collection Branch
Division of Accounting and Finance
Office of the Controller

Enclosure:
May 23, 1990, Federal Register notice

cc: Region III

DISTRIBUTION:
Pending Fee File
OC/DAF R/F
LFDCB R/F (2)
DW/ABRIII/STS Consultants

OFFICE: OC/LFDCB
SURNAME: CPhillips:ab
DATE: 8/5/90

OC/LFDCB
MMessier
8/5/90

OC/LFDCB
GJackson
8/1/90

July 3, 1990

U.S. Nuclear Regulatory Commission
Region III
Materials Licensing Section
799 Roosevelt Road, Glen Ellyn, Illinois, 60137

RECEIVED
DEC-7 1990
P2:30

RE: Amendment to License Number 48-21211-01

Dear Materials Licensing Section:

We desire to amend our radioactive material license to include a provision for in-house training of users, additional licensed material and to rename our Radiation Safety Officer. Our amendment fee for \$60.00 is attached to this letter.

Attached with this letter are the following documents necessary for the processing of this application.

1. Updated list of authorized materials, use, and conditions,
2. The complete STS Consultants Radiation Safety Training Program for authorized users,
3. Resume of our Radiation Safety Officer,
4. Resume for our Corporate Radiation Safety Director.

We would also like to be authorized to use licensed material anywhere in the United States where the NRC maintains jurisdiction.

Currently we possess 10 sealed sources of licensed material (Cesium and Americium) that are used in moisture/density gauges to measure soil density and compaction. We would like the opportunity to expand this number without applying for separate amendments. We foresee expanding our total number of gauges to a maximum of 30 by the expiration of this license term.

If there are any questions with this material, or if we can be of further assistance, please call me at (414) 359-3030.

Thank you,

STS CONSULTANTS, LTD.

Carter L. Bohn
Carter L. Bohn

U.S. NRC
SEP 17 1990
SEP 17 1990

Log	<i>Sept 9th</i>
Remitter	
Check No.	
Amount	
Fee Category	<i>Amend</i>
Type of Fee	
Date Check Rec'd.	
Date Completed	

RECEIVED

SEP 04 1990

REGION III

SEP 4 1990
Duplicate
CONTROL NO. 9015 *Word*

June 1990

LICENSED MATERIAL

<u>By-Product Material</u>	<u>Chemical/Physical</u>	<u>Maximum Amount Possessed</u>
A. Cesium-137	Sealed Source (Troxler Dwg. No. 102112)	No single source to exceed 10 millicuries each.
B. Americium-241/Be	Sealed Source (Troxler Dwg. No. 102451)	No single source to exceed 50 millicuries each.
C. Cesium-137	Sealed Source (Campbell Pacific Nuclear Model No. CPN-131)	No single source to exceed 10 millicuries each.
D. Americium-241/Be	Sealed source (Campbell Pacific Nuclear Model No. CPN-131)	No single source to exceed 50 millicuries each.
E. Americium-241/Be	Sealed Source (Troxler Dwg. No. A-100608 or A-100337)	No single source to exceed 300 millicuries each.

<u>Authorized Use</u>	<u>Estimated Maximum number of Gauges in use</u>
A. To be used in a Troxler Model 3400-Series (Moisture/Density Gauge) OR a Troxler Model 1300-Series (Depth Density Gauge) OR a Troxler 4640-Series (Thin Layer Gauge) to measure density of construction materials.	20
B. To be used in a Troxler Model 3400-Series Moisture/Density Gauge to measure moisture of construction materials.	20
C. and D. To be used in a Campbell Pacific Nuclear Model MC-Series moisture/density gauge to measure moisture/density of construction materials.	5
E. To be used in Troxler Model 3241-Series Asphalt Content Gauge to measure asphalt content.	5

CONDITIONS

10. Licensed materials shall be permanently stored at our listed facility located at 11425 West Lake Park Drive, Milwaukee, Wisconsin or possibly at temporary jobsites of the licensee anywhere throughout the United States.

(Please note the corrected address and the expanded use throughout the U.S.)

- 11-A. Licensed materials shall be used by, or under the supervision and in the physical presence of, individuals who have satisfactorily completed the STS Training Program OR the device manufacturer's training program and have been designated by the licensee's Radiation Safety Officer. The licensee shall maintain records of the individuals who have been designated as authorized users.

- 11-B. The Radiation Safety Officer for the activities authorized by this license is Carter Bohn (resume attached).

(Please Note the addition to the training program and new R.S.O.)

June 28, 1990

Resume of Radioactive Material Experience
Carter L. Bohn

I joined STS Consultants in September of 1987 and currently serve as the Certified Welding Inspector, Equipment Manager and Technician Scheduling Coordinator for the Construction Technology Group in Milwaukee, Wisconsin. At this position I supervise a field staff of approximately 11 technicians. I am responsible for training of new technicians and providing continued training for the experienced technicians. I am also responsible for equipment purchase, repair and maintenance including our nuclear moisture/density gauges.

I have eight years of practical experience in the operation and use of radioactive sources including but not limited to Iridium 192, Cesium 137 and Americium 241; Beryllium. My initial radiation safety training occurred in 1982 at the Hutchinson Area Vocational Technical Institute, Hutchinson, Minnesota in the Nondestructive Testing Technology course. I was the Radiation Safety Officer for Basin Testing Laboratory, Inc., Williston, North Dakota from November of 1986 until August of 1987. Throughout this time I have received additional training through STS Consultants In-House Training Programs.

©STS Consultants, Ltd., June, 1990

CONTROL NO. 90151

AREAS AND COMPETENCIES EARNED	STANDARD HOURS	MINIMUM % REQUIRED	ACTUAL % ACHIEVED
INTRODUCTION TO EDDY CURRENT LAB	40	80	90
ADVANCED EDDY CURRENT THEORY	40	80	87
ADVANCED EDDY CURRENT LAB 9.5 CREDITS	90	80	87
RELATED COURSES			
MANUFACTURING PROCESSES 2.3 CREDITS	45	80	89
CODES AND SPECIFICATIONS 2.0 CREDITS	40	80	90
TECHNICAL MATHEMATICS 6.0 CREDITS	120	80	89
BLEUPRINT INTERPRETATION 2.0 CREDITS	40	80	82
MANAGEMENT AND INDUSTRIAL RELATIONS 1.5 CREDITS	30	80	83
PHYSICS 3.0 CREDITS	60	80	83
TECHNICAL WRITING 2.0 CREDITS	40	80	87
METALLURGY			
METALLOGRAPHIC INSPECTION	60	80	90
MECHANICAL METALLURGY	45	80	89
PHYSICAL METALLURGY 9.0 CREDITS	75	80	90
VISUAL TESTING			
WELDING--RELATED	44	80	86
WELDING LAB--RELATED	176	80	88
ADVANCED VISUAL INSPECTION THEORY	35	80	88
ADVANCED VISUAL INSPECTION LAB 13.8 CREDITS	20	80	93
ACOUSTIC EMISSION			
ACOUSTIC EMISSION 2.3 CREDITS	45	80	92
MAGNETIC PARTICLE TESTING			
BASIC MAGNETIC PARTICLE THEORY	25	80	90
BASIC MAGNETIC PARTICLE LAB	30	80	90
ADVANCED MAGNETIC PARTICLE THEORY	25	80	87
ADVANCED MAGNETIC PARTICLE LAB 5.0 CREDITS	20	80	90
FIRST AID			
FIRST AID		80	W
LEVEL I EXAMS PER SNT-TC-1A			
RADIOGRAPHY--GENERAL		80	93
RADIOGRAPHY--SPECIFIC		80	80
RADIOGRAPHY--PRACTICAL		80	88
ULTRASONICS--GENERAL		80	80
ULTRASONICS--SPECIFIC		80	93
ULTRASONICS--PRACTICAL		80	94
MAGNETIC PARTICLE--GENERAL		80	90
MAGNETIC PARTICLE--SPECIFIC		80	90

AREAS AND COMPETENCIES EARNED	STANDARD HOURS	MINIMUM% REQUIRED	ACTUAL % ACHIEVED
MAGNETIC PARTICLE--PRACTICAL		80	85
LIQUID PENETRANT--GENERAL		80	91
LIQUID PENETRANT--SPECIFIC		80	80
LIQUID PENETRANT--PRACTICAL		80	90
EDDY CURRENT--GENERAL		80	96
EDDY CURRENT--SPECIFIC		80	80
EDDY CURRENT--PRACTICAL		80	92
VISUAL INSPECTION--GENERAL		80	W
VISUAL INSPECTION--SPECIFIC		80	W
VISUAL INSPECTION--PRACTICAL		80	W
LEVEL II EXAMS PER SNT-TC-1A			
RADIOGRAPHY--GENERAL		80	88
RADIOGRAPHY--SPECIFIC		80	88
RADIOGRAPHY--PRACTICAL		80	81
ULTRASONICS--GENERAL		80	80
ULTRASONICS--SPECIFIC		80	95
ULTRASONICS--PRACTICAL		80	89
MAGNETIC PARTICLE--GENERAL		80	85
MAGNETIC PARTICLE--SPECIFIC		80	85
MAGNETIC PARTICLE--PRACTICAL		80	85
LIQUID PENETRANT--GENERAL		80	88
LIQUID PENETRANT--SPECIFIC		80	85
LIQUID PENETRANT--PRACTICAL		80	91
EDDY CURRENT--GENERAL		80	89
EDDY CURRENT--SPECIFIC		80	93
EDDY CURRENT--PRACTICAL		80	98
ADVANCED VISUAL INSPECTION--GENERAL		80	80
ADVANCED VISUAL INSPECTION--SPECIFIC		80	86
ADVANCED VISUAL INSPECTION--PRACTICAL		80	84
QUALITY CONTROL			
QUALITY CONTROL--RELATED 1.5 CREDITS	30	80	93
COMPUTERS--ELECTIVE 1.5 CREDITS	30	80	83

TOTAL CREDITS EARNED: 106.3

NOTE: 1 CREDIT = 20 CLASS HOURS

* = SATISFACTORY

W = WAIVED

T = TRANSFER CREDIT



CONTROL NO.

90151

TWIN PORTS TESTING, INC.

1301 North 3rd Street
Superior, Wisconsin 54880

Personnel Certification

This certificate recognizes the qualifications of:

CARTER BOHN

and certifies that he has successfully completed — through education, experience and knowledge — the standards required by this corporation for the following classifications.

NONDESTRUCTIVE TESTING

SNT-TC-1A Radiography - Level II
SNT-TC-1A Ultrasonic - Level II
SNT-TC-1A Magnetic Particle - Level II
SNT-TC-1A Dye Penetrant - Level II

Date Issued

7/20/84

Approved By

Richard J. DeBart 7-20-84

Examiner

James Russell

TWIN PORTS TESTING, INC.

This certificate is void upon termination of employment.

CONTROL NO. 90151

CERTIFICATION OF PERSONNEL QUALIFICATION

NAME Carter Bohn

CERTIFICATIONS				EXAM SCORES				TNG. HRS.	RE-CERTIFICATION/RESTRICTIONS
METHOD	LEVEL	DATE	EXAMINER (RSO)	GEN.	SPEC.	PRAC.	COMP.		
SEE ATTACHED SHEETS									
RT	II	4/21/86	Joel Marking	82	98	93	91		
PT	II		Neil Bailey	88	85	91	88		
MT	II		Neil Bailey	85	85	85	85		
UT	II		Neil Bailey	80	95	89	88		

EXPERIENCE

FROM	TO	COMPANY	NDT METHODS & HIGHEST LEVEL ATTAINED
7/84	1/86	Twin Ports Testing, Superior, WI	Level II RT, UT, PT, MT, VT, ET
5/86	Present	Basin Testing Laboratory, Williston, ND	Level II RT, UT, MT, PT, VT

EYE EXAMINATIONS

EDUCATION AND TRAINING (HIGHEST PUBLIC, ADVANCED AND NDT)

DATE	EXAMINED BY	SCHOOL	LOCATION	DATE	LENGTH	SUBJECT
2/1/86	D. E. Harvey, O.D.	Chaska Senior High	Chaska, MN	6/81	1 years	General
5/1/81	Dr. Feeney, W. Walter, M.D.	Hennipen Technical Ctr	Eden Prairie, MN	6/81	80 hours	Arc Welding
		Hutchinson Area Vo-Tech	Hutchinson, MN	7/84	2 years	NDT

In accordance with the Basin Testing Laboratory, Inc. Procedures and the 1975 Edition of SNT-TC-1A. "All historical information supplied by me to compile this certification is true and correct to the best of my knowledge."

COMMENTS

Carter Bohn 6-23-87
 EXAMINEE DATE

BASIN TESTING LABORATORY

STS Consultants Ltd.



hereby certifies that

CARTER L. BOHN

of

STS Consultants Ltd.

has successfully completed the STS Consultants Ltd.
Training Course in the use of Nuclear Testing Equipment.

Subjects included in this course were as follows:

Radiological Safety

1. Principles and practices of radiation protection.
2. Leak testing procedures.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
6. Accident and incident procedures.
7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

Gauge Operation

1. Instrument theory
2. Operating procedures
3. Maintenance
4. Field application
5. Gauge calibration

Robert J. Hubbard
Radiation Safety Instructor

May 20, 1989
Date

Edith Lada-Hempson
Corporate Health and Safety Officer