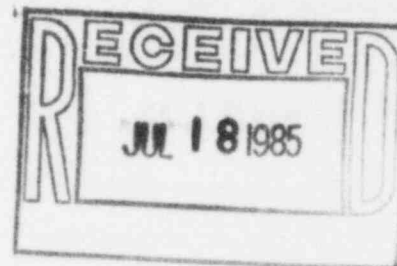




MET•CHEM

TESTING LABORATORIES, OF UTAH, INC.
369 West Gregson Avenue Salt Lake City, Utah 84115 (801) 487-0801

July 16, 1985



Mr. R. J. Everett
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive - Suite 1000
Arlington, Texas 76012

Dear Mr. Everett:

Please amend our license number 43-19662-01 as follows:

- A. Please change Item 1 of our license from Met-Chem Engineering Laboratories, Inc. to Met-Chem Testing Laboratories of Utah, Inc.
- B. Please change our Operating & Emergency Procedure forms "Inspection Utilization and Dosimetry Log" shown on pages 45 and 82 of the Operating & Emergency Procedures and "Radiographer's Daily Equipment Inspection Form" shown on pages 33 and 38 of the Operating & Emergency Procedures to be replaced with attached new format (all four pages).
- C. Item 10

<u>ISOTOPE</u>	<u>MFG. & MODEL # OF SOURCE ASSEMBLY</u>	<u>MAXIMUM ACTIVITY PER SOURCE</u>	<u>MFG. & MODEL # OF EXPOSURE DEVICE</u>	<u>MFG. & MODEL # OF SOURCE CHANGERS</u>
Iridium 192	Gulf Nuclear RG SA 13	100 curies	Gulf Nuclear 20V	Gulf Nuclear U 110 A
Iridium 192	Gamma Industries A-2-A	100 curies	Gamma Industries Gamma Century	Gulf Nuclear U 110 A
Iridium 192	Gamma Industries A-2-A	100 curies	Gamma Industries Gamma Century "S"	Gulf Nuclear U 110 A
Iridium 192	Gamma Industries A-2-A	100 curies	Gamma Industries Gamma Century	Gamma Industries C 10
Iridium 192	Gamma Industries A-2-A	100 curies	Gamma Industries Gamma Century "S"	Gamma Industries C 10

8508090766 850724
REG4 LIC30
43-19662-01 PDR

July 3 - 11
2542
30 #230
And 7/22/85
Received By: jacqueline

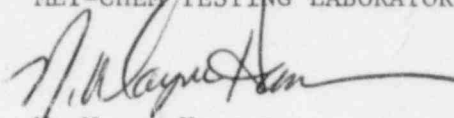
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Mr. R. J. Everett
July 16, 1985
Page Two

- D. Please change the organizational structure as shown on the attached chart and include Douglas R. Johnston's resume as Radiation Safety Officer.

Sincere Regards,

MET-CHEM TESTING LABORATORIES



N. Wayne Hansen
Corporate Radiation
Safety Officer

Enclosure
NWH/sh

10 FEB 1986

85 JUL 22 10:28

RECEIVED

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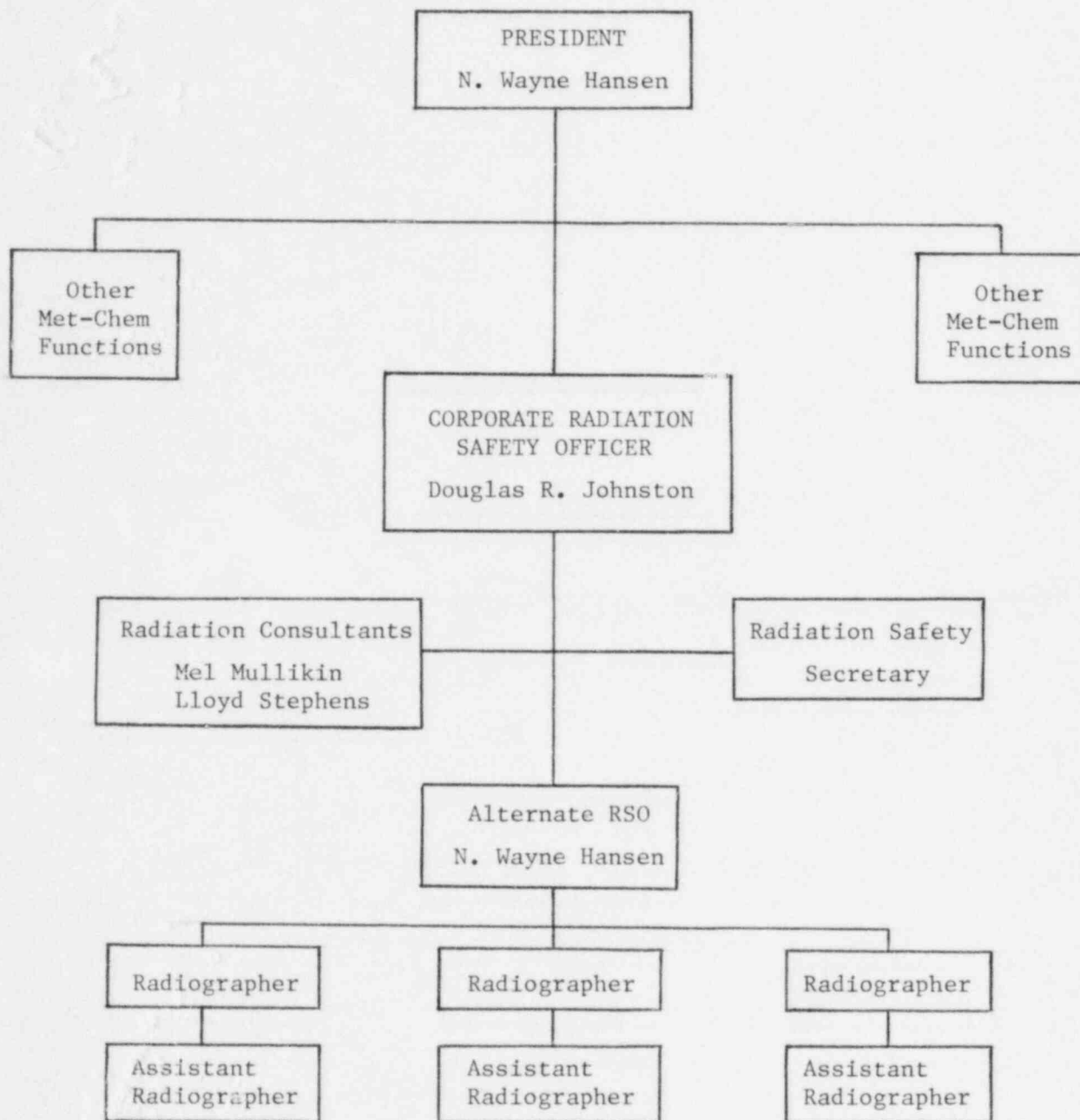


MET•CHEM

TESTING LABORATORIES, OF UTAH, INC.

369 West Gregson Avenue Salt Lake City, Utah 84115 (801) 487-0801

ORGANIZATIONAL CHART



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MET-CHEM

UTILIZATION. INSPECTION AND DOSIMETER LOG

TESTING LABORATORIES OF UTAH, INC.
369 W. Gregson Ave. Salt Lake City, Ut 84115
(801) 487-0801

WEEK OF _____ TO _____
CUSTOMER _____

STORAGE LOCATION ☐ LAB STORAGE
☐ PORTABLE DARKROOM



1000

DEVICE MAKE				DEVICE MODEL		DEVICE S/N		SOURCE MODEL		SOURCE S/N		
DATE	LOCATION	TRANSPORT INDEX MR AT ONE METER	MR AT 6" 50 MR MAX.	SURVEY METER	SURVEY METER	MCTL S/N	RADIOGRAPHER	DOSIMETER				
				MAKE	S/N			ASSISTANT	* OUT	IN	* TOTAL	
SUN.												
MON.												
TUE.												
WED.												
THUR.												
FRI.												
SAT.												

INSPECTION OF EXPOSURE DEVICE

DAY	EXPOSURE DEVICE				CRANK ASSEMBLY				SOURCE TUBES				DRIVE CABLE & SOURCE CONN.				RADIOGRAPHER NAME	
	SURFACE RAD. MR/HR		LOCKS FITTINGS CABLES	SAFETY PLUGS AND THREADS	LOOSE HARDWARE		FREEDOM OF MOVEMENT		THREADS	CLEAR OPENINGS		LOOSE FITTINGS		EXCESS WEAR		GOOD FIT		
	OUT	IN			YES	NO	YES	NO		OK	YES	NO	YES	NO	YES	NO		YES
SUN.			OK	OK	YES	NO	YES	NO	OK	YES	NO	YES	NO	YES	NO	YES	NO	
MON.																		
TUE.																		
WED.																		
THUR.																		
FRI.																		
SAT.																		

PHYSICAL SURVEY OF RADIATION AREA

SUN.	MON.	TUE.	WED.	THUR.	FRI.	SAT.	SHOW MR/HR @ APPROX. FEET WITH TYPE OF SHIELDING		SUN.	MON.	TUE.	WED.	THUR.	FRI.	SAT.
							MR		MR						
							FT		FT						
							SC		SC						
SIDE 1									SIDE 3						
							MR		MR						
							FT		FT						
							SC		SC						
SIDE 2									SIDE 4						

SC= SHIELD CODE W= TUNGSTEN FE= STEEL C= CONCRETE PB= LEAD O= OTHER _____

** IF TOTAL IS IN EXCESS OF 50 MR COMPLETE OTHER SIDE

* Out starting point must be less than 10 MR

WHEN 50MR IN ONE DAY IS EXCEEDED YOU MUST COMPLETE THIS SIDE.
EXPLAIN CIRCUMSTANCES WHY EXPOSURE IS 50MR OR MORE. EXPLANATION SHOULD
INCLUDE THE WORK CONDITION, SHIELDING, ETC.,

SUNDAY

Date

MR rec.

Explanation:

MONDAY

Date

rec.

Explanation:

TUESDAY

Date

MR rec.

Explanation:

WEDNESDAY

Date

MR rec.

Explanation:

THURSDAY

Date

MR rec.

Explanation:

FRIDAY

Date

MR Rec.

Explanation:

SATURDAY

Date

MR rec.

Explanation:

RESUME

Douglas R. Johnstoh
655 E. Mountain Vale Way
Unit 306
Woodland Hills, Utah 84653
(801) 423-2236

1 year college
Several Industry Courses
Level III NDT-RT, UT, MT, PT
Married - 4 children
Excellent Health
Secret Clearance (Past) AEC/DOD

SUMMARY

Over Twenty-five years of Highly Deversified Experience in Nuclear, Aerospace/Defence, Petroleum, Foundry and Construction. Experience includes hands on, Supervision, Management, Third Party Inspection, Supplier Surveillance and Auditing.

CERTIFICATIONS

ENGINEERING TECHNICIAN

Institute for the Certification of Engineering Technicians

NDT LEVEL III RT, MT, PT

The American Society for Nondestructive Testing Certificate Number KB730

WELDING INSPECTOR QC 1

The American Welding Society Certificate Number 78051281

LEVEL III VENDOR SURVEILLANCE PER ANSI N45.2.6

Baldwin Associates

LEAD AUDITOR PER ANSI N45.2.12 and ANSI N45.2.23

Pittsburgh - Des Moines Corporation

NDT LEVEL III RT, UT, MT, PT, VT

Pittsburgh - Des Moines Corporation and others as noted below

RADIATION SAFETY OFFICER

Pittsburgh - Des Moines Corporation, Industrial Inspection Inc. and Precision Castparts

EMPLOYMENT EXPERIENCE

2/85-5/85 QA MANAGER/WELDING ENGINEER

Aero Space/Defence - The Talley Corporation

As Quality Assurance Manager it was my Responsibility to manage the QA System and organization to assure that the machined and assembled components produced were in accordance with the requirements of MIL-Q-9858 and the customer requirements. In addition, it was my task to set up a welding department including Hiring Personnel, Purchasing Supplies and Equipment, Writing Procedures, Qualifying Procedures and Certifying Welders.

7/84-2/85 QA/WELDING ENGINEER

Fossil Fuel Power - Commonwealth Electric Company

Responsible for writing and implementing procedures for weld inspection receiving inspection, supplier surveillance, material control, welding and welding operations. Responsibilities also included welder certification records maintenance, weld inspection and supplier audits.

460704

RESUME

Douglas R. Johnston

Page 2

5/83-7/84 SR. QA ENGINEER

Nuclear Power - Baldwin Associates

Responsible for Vendor Surveillance Engineering and all Vendor Surveillance activities for Clinton Power Station on and off site. Vendor Surveillance at CPS includes review and approval for all Vendor QA and test procedures and assurance that purchased materials and services meet the applicable codes and contracts through planned surveillances of processes and tests on a random and hold point basis and review of all required documentation. As Level III, responsible for training and certifying Level I and II personnel for Vendor Surveillance.

4/81-5/83 TITLE III INSPECTOR AND CORPORATE LEVEL III EXAMINER

Nuclear Power - Norman Engineering Company

Primary responsibilities included: Third Party Inspection of the Fabrication and Erection of the steel components (piping, etc.) for the Fuel and Materials Examination Facility (IMEF) Hanford Nuclear site; the rewriting and maintenance of construction inspection procedures and the writing, implementation and management of the NDT training program in accordance with SNT-TC-1A.

12/77-3/81 WESTERN DIVISION QUALITY ASSURANCE MANAGER

Nuclear Power - Pittsburgh - Des Moines Corporation

This position's purpose was to manage the Quality Assurance System and organization to assure that nuclear and other structural steel and plate products purchased, fabricated and erected by the Western Division complied with applicable codes, specifications and contractual requirements and met corporate quality objectives.

PLANT QUALITY ASSURANCE MANAGER - 8/78 - 3/80

Responsibilities in this position were to manage the PDM Provo Plant Quality Assurance System and organization to assure that all Nuclear and other purchased and fabricated products and materials complied with the applicable codes, specifications and contractual requirements and met corporate quality objectives. While holding the titles of QA Manager of the Division and the Provo Plant, responsibilities also included the duties of the RADIATION SAFETY OFFICER for the Radiographic functions of the Provo Plant which included the direction and coordination of Radiation Monitoring, Material Handling and Safety Programs.

SITE QUALITY ASSURANCE MANAGER - 12/77 - 8/78

My responsibilities in this position were to implement and manage PDM's quality program for fabrication and installation of the Nuclear Containment Vessel modification, main stream lines and component parts. This program included the assurance of compliance to the applicable ASME code and customer specifications through inspection, testing and documentation.

3/76-12/77 QUALITY ASSURANCE AUDITOR

Alaska Pipe Line - Alyeska Pipe Line Service Co.

Continuously Audited Pipe Line Weld Radiographs which had been interpreted by the NDT contractor. Responsible for final accept/reject decisions. Responsible for evaluating contractor personnel performance and solving interpretation problems in the field.

RESUME

Douglas R. Johnston

Page 3

12/75-3/76 MANAGER

Inspection Service - Industrial Inspection, Inc.

Managed this inspection company, providing service to Pipe Line, Shipbuilding and Nuclear Power Industries with RT, UT, MT and PT. Certified as Level III Examiner per SNT-TC-1A and Test Examiner per Navships 250-1500-1. Responsibilities also included the Radiation Safety Officer duties.

11/72-12/75 NDT ENGINEERING SUPERVISOR

Foundry - Precision Castparts Corporation

Starting position as a Quality Assurance Engineer responsible for the development of Quality Assurance and Inspection Systems to assure that the quality of the product was consistent with the specification requirements. Advanced to NDTE Supervisor with certification as Level III Examiner per SNT-TC-1A, Test Examiner per Navships 250-1500-1 and Test Examiner per Pratt Whitney Aircraft Corporation requirements. Responsible for the direction of quality standards initiations, evaluation of product under development, approval of inspection and inspection methods, analysis of the quality of production parts and inspection and inspector audits; as Radiation Safety Officer, the direction and coordination of radiation monitoring, measuring, material handling and safety programs; as Examiner, the training, examination, certification and certification maintenance of inspection personnel and the certification control and maintenance of welders.

12/68-11/72 NDT SUPERVISOR AND LEVEL III EXAMINER

Nuclear Power - Gulf General Atomic

Certified as the Level III Examiner in Ultrasonic, Radiographic, Magnetic Particle and Penetrant Testing per SNT-TC-1A, ASME Pressure Vessel and Boiler Codes, and RDT standards. Also certified as the Level III Examiner in pressure proof and vacuum leak testing per GGA Practice. Responsible for the establishment of techniques, the interpretation of specification and codes, the designation of test methods and the examination of NDT Level I and II personnel, as prescribed by the SNT-TC-1A and the ASME Pressure Vessel and Boiler Codes. Responsibilities also included the coordination of all non-destructive testing operations, weld inspection, and of maintaining and assuring the qualification of the weld materials, procedures, welders and weld operators to Section III, VIII and IX of ASME Pressure Vessel and Boiler Codes. Also functioned as Assistant Radiation Safety Officer, responsible for the radiation monitoring, material handling and safety programs of the Radiographic operation of the company.

10/59-12/68 NDT TECHNICIAN

Missile Construction - Thiokol Chemical Corporation

Certified by the USAF as a Radiographic Film Interpreter, Radiographer, Magnetic Particle, Penetrant, Ultrasonic and Eddy Current Technician, Visual and Dimensional Inspector. Responsible for performing the above mentioned test and inspections on Solid Propellant Rocket Motors and their component parts (i.e., metals, graphite, plastics, etc.). Perfected bond detection between materials and polydredal gain detection in steel by ultrasonic methods. Initiated the use of Thiokol special tool for measuring the propellant slump and the use of Thiokol and Aero Jet Boroscopes for visually inspecting the propellant core.

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