

Telephones
Lindon, Utah (801) 225-3800
Salt Lake City, Utah (801) 532-3800

Offices & Plant
Lower Geneva Road
P.O. Box 369
Pleasant Grove (Lindon), Utah 84062

Field Office
P.O. Box 352
Green River, Wyoming 82935
(307) 875-4530

IP & W Industries, Inc.

Intermountain Pipe & Welding Division

Pipe Fabricators and Erectors
Mechanical Contractors

Rev	Date
0	2/10/77
1	8/17/77
2	5/24/78

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Prepared by Grant R. Johnson
Quality Assurance Manager

Reviewed by J. H. Mortenson
President - IP & W Industries, Inc.

Approved for use by Grant R. Johnson
Radiation Safety Officer

cc: IP & W Safety Engineer

- A. I-P & W Industries, Inc.
Intermountain Pipe & Welding Division
45 South 1000 West
Pleasant Grove, UT 84062
- B. Receiving and Shipping of Radiography Material
- C. U. S. Nuclear Regulatory Commission License under
Number 43-17404-01, Expiration Date: April 30, 1982.

D.	<u>Revision</u>	<u>Date</u>
	0	2/10/77
	1	8/17/77
	2	5/24/78

Approved for Use:  Date 6-21-78
Grant R. Johnson,
Radiation Safety Officer

Receiving and Shipping of Radioactive Material

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INTRODUCTION

In accordance with the Quality Assurance Requirements of 10 CRF, Part 71, dated October 18, 1977, these procedures were adopted to this manual to insure the safety of receiving and shipping of radioactive material.

PURPOSE

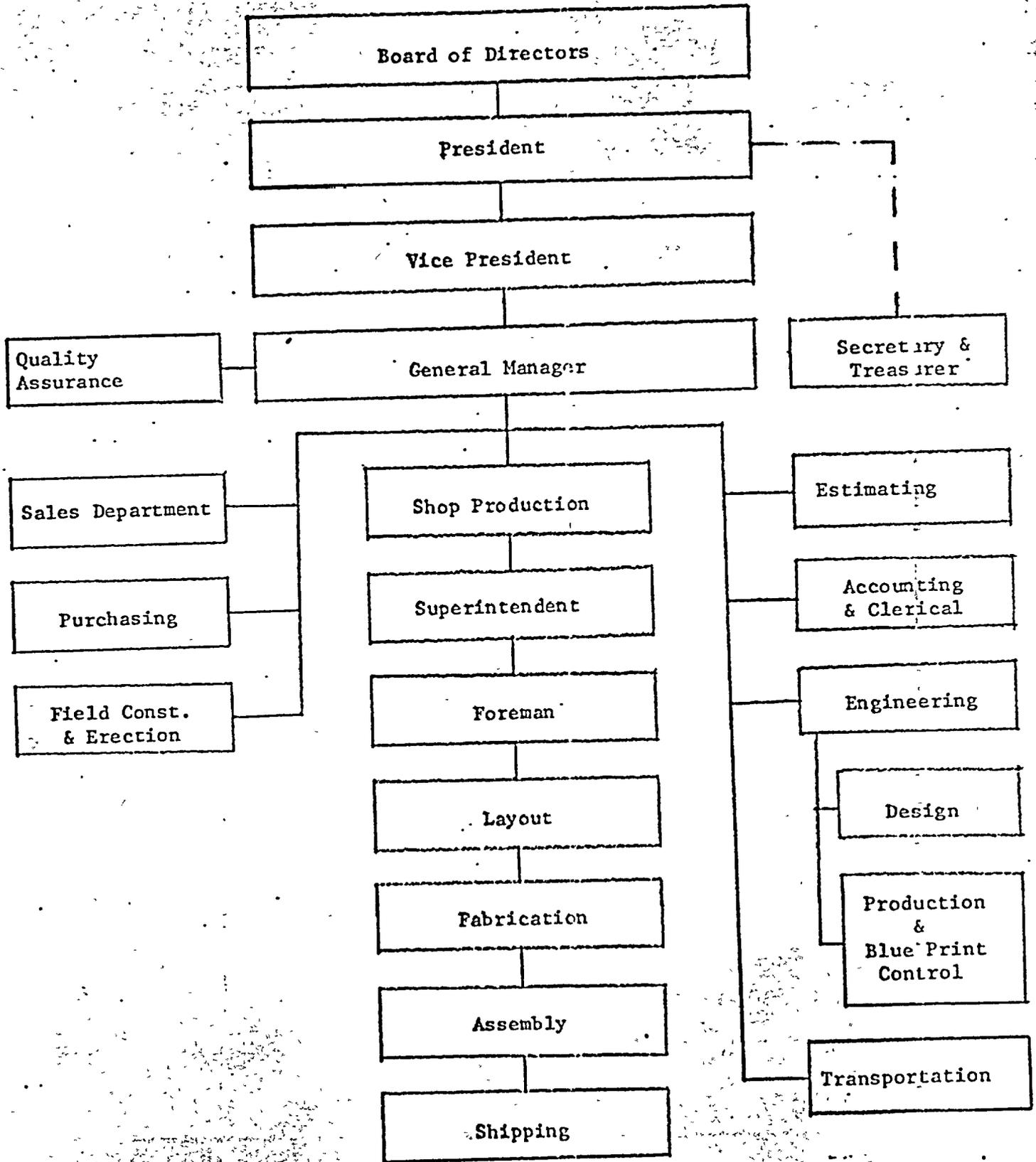
The purpose of this attachment is to set up uniform general requirements and standards for the establishment and execution of a quality assurance program for Inter-mountain Pipe & Welding Division, to comply with the requirements of 10 CRF Part 71, dated October 18, 1977.

AUTHORITY

The Radiation Safety Officer or a SNT-TC-1A Level II Radiographer that has been trained in this procedure are the only persons authorized to receive or ship any radioactive material.

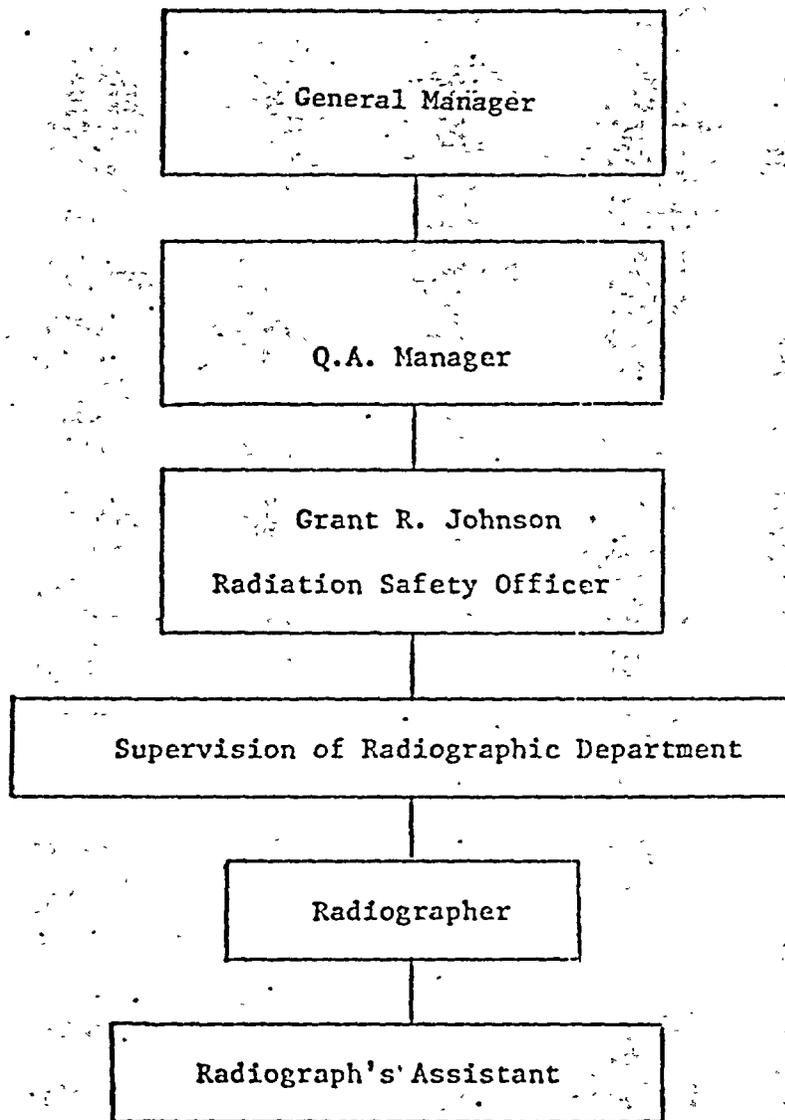
Intermountain Pipe & Weld

Corporate Organizational Chart



ORGANIZATION CHART

Responsibility for control of radiographic operations is placed directly on the line management organization.



INTERMOUNTAIN PIPE AND WELDING DIVISION

QUALITY ASSURANCE PROCEDURE	TITLE: RECEIVING RADIOACTIVE MATERIAL
APPROVED: <u>IP&W Radiation Safety Officer</u> <i>Grant Johnson</i>	NUMBER <u>RT-3</u> REV. <u>0</u>

1.0 Scope

This procedure outlines the steps that shall be followed for the receiving of Radioactive Materials.

2.0 Personnel Qualifications

The only personnel authorized to accept shipment of Radioactive Material is a Radiation Safety Officer or a qualified SNT-TC-1A Level II Radiographer that has been trained in this procedure.

3.0 General Requirements

3.1 The shipping and receiving departments of I. P. & W. Industries, Inc. will notify the Quality Control Manager or the Radiation Safety Officer at the time the shipment arrives.

3.2 The Radiation Safety Officer or Radiographer to receive the material, shall obtain from the source storage area a properly calibrated survey meter, film badge and dosimeter.

3.3 The Radiation Safety Officer or Radiographer will place his film badge on a conspicuous place on himself, rezero his dosimeter, check the survey meter for proper calibration date and make sure it is in good operating condition.

3.4 The Radiation Safety Officer or Radiographer will then go to the receiving area and survey the shipping container. The Mr valve shall be recorded on the form for the receipt and shipment of sources.

3.5 If the Mr reading is within the specifications in the NRC, Title 10, paragraph 20.205, he may then proceed to open the shipping container. If the reading is not within the above specification notify by telephone and telegram the NRC and final delivering carrier. Follow instructions as outlined in the emergency section of the NRC radiographic license.

3.6 After opening the shipping container use a survey meter to take a survey of the camera or the source shipping device. Remove device or camera from shipping container and make a visual examination and a complete survey noting the Mr readings at the surface of the camera.

QUALITY ASSURANCE PROCEDURE	TITLE: RECEIVING RADIOACTIVE MATERIAL
APPROVED: <u>Grant Johnson</u> IP&W Radiation Safety Officer	NUMBER <u>RT-3</u> REV. <u>0</u>

- 3.7 Take packing list and check the decay chart for source serial number, amount of curies, leak test date and pertinent data.
- 3.8 If sealed source of Ir-192 is in a C-4 or C-10 shipping container refer to the operation and emergency procedures page 9, paragraph 3 A and B of the NRC radiographic license.
- 3.9 If source is received in our gamma century camera and survey readings, visual inspection and all pertinent data is acceptable and documented, place camera in storage box, lock, take reading and document in the radiographic utilization log.

QUALITY ASSURANCE PROCEDURE

TITLE:

SHIPMENT OF RADIOACTIVE MATERIAL

APPROVED: *Grant Johnson*

NUMBER

RT-4

REV.

0

1.0 Scope

This procedure outlines the steps to be followed for the shipment of radioactive material by I P & W Industries, Inc.

2.0 Personal Qualification

The Radiation Safety Officer (R.S.O.) or a SNT-TC-1A - Level II Radiographer that has been properly trained in these procedures shall be the only persons authorized to prepare radioactive materials for shipment.

3.0 General Requirements

3.1 The R.S.O. shall check the camera, gamma century "s" or the C-4 or C-10 shipping containers to make sure that the source is locked in the safe position.

3.2 The R.S.O. shall verify that all documentation such as the decay curve, shipper, etc. is in correct order.

3.3 The R.S.O. shall verify that the shipping container is labeled in accordance with Title 10 Part 71 of the NRC Rules and Regulations, and the rules set forth by the Department of Transportation.

3.4 The R.S.O. shall check the shipping container to verify that the container is sealed and marked in accordance with Title 10 Part 71 of the NRC Rules and Regulations. A survey will be taken and the Mr reading recorded.

3.5 The R.S.O. shall notify I P & W Industries, Inc.'s shipping and Receiving Department, who will arrange for a commercial carrier to transport the package to a commercial airport for shipment to Gamma Industries in Baton Rouge, Louisiana.

3.6 A copy of all shipping documents will be kept on file in the R.S.O.'s office.

PREPARED BY:

G. J.

ISSUED:

12-10-77

PAGE 1 OF 1

DOCUMENT CONTROL**Receiving of Radioactive Material**

The Radiation Safety Officer shall be responsible to make sure that all radiation material is received in accordance with Procedure RT-3, (Receiving Radioactive Material) and all pertinent information is documented and filed in the Radiation Safety Officer's office.

All revisions will be approved by the Radiation Safety Officer, and in accordance with the rules and regulations as provided for in this license.

Shipping of Radioactive Material

The Radiation Safety Officer shall be responsible for the shipping of radioactive material in accordance with Procedure No. RT-4, (Shipment of Radioactive Material) All pertinent information shall be documented and kept on file in the Radiation Safety Officer's office.

All revisions shall be in accordance with the rules and regulations of this license. The R.S.O shall approve all revisions.

Handling & Storage

Handling and storage of radioactive material shall be in compliance with the procedures outlined in this license. (See Operating and Emergency Procedures, and Radiographic Facilities.)

Inspections - Tests

All inspections and tests shall be in compliance with this license and have the approval of the Radiation Safety Officer. All inspections shall be documented and pertinent information recorded.

Quality Assurance Records

All records, operating logs, inspections, tests and audit results shall be maintained by the Radiation Safety Officer.

All records of shipments and receivings shall be maintained by the Radiation Safety Officer as set forth by this license.

AUDITS

Audits of this Quality Assurance Program shall be done on a monthly basis. A copy of the audit will be maintained by the Radiation Safety Officer with a copy given to management.

Audit Reports will be evaluated and deficient areas corrected. Audit records will be maintained by the Radiation Safety Officer.

IMPLEMENTATION

The Radiation Safety Officer shall be responsible for the implementation, maintenance and execution of this program.

Q.A. FUNCTION

	President	Q.A. Mgr.	Q.C. Mgr.	R.S.O.
1 - Q.A. Program	A.C.D.			ABCDE
2 - Training	A,B	A,D,E	A,D,E	ABCDE
3 - Certifications	B,C	B,C	A,D,E	ABCDE
4 - Testings	A	A-C	A,C,D,E	ABCDE
5 - Document Change	A	A	A	ABCDE
6 - Shipping & Receiving				ABCDE
7 - Specifications	A	A,B,D	A,B,C	
8 - Audits	ABCDE	ABCDE	ABCDE	ABCDE

A - Approve

B - Accept

C - Concur

D - Initiate

E - Perform

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Prepared by Grant R. Johnson
Quality Assurance Manager

Reviewed by J. H. Mortensen
President - IP & W Industries, Inc.

Approved for use by Grant R. Johnson
Radiation Safety Officer

cc: IP & W Safety Engineer

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Approved for Use: Grant R. Johnson Date 6-21-78
Grant R. Johnson,
Radiation Safety Officer

Receiving and Shipping of Radioactive Material

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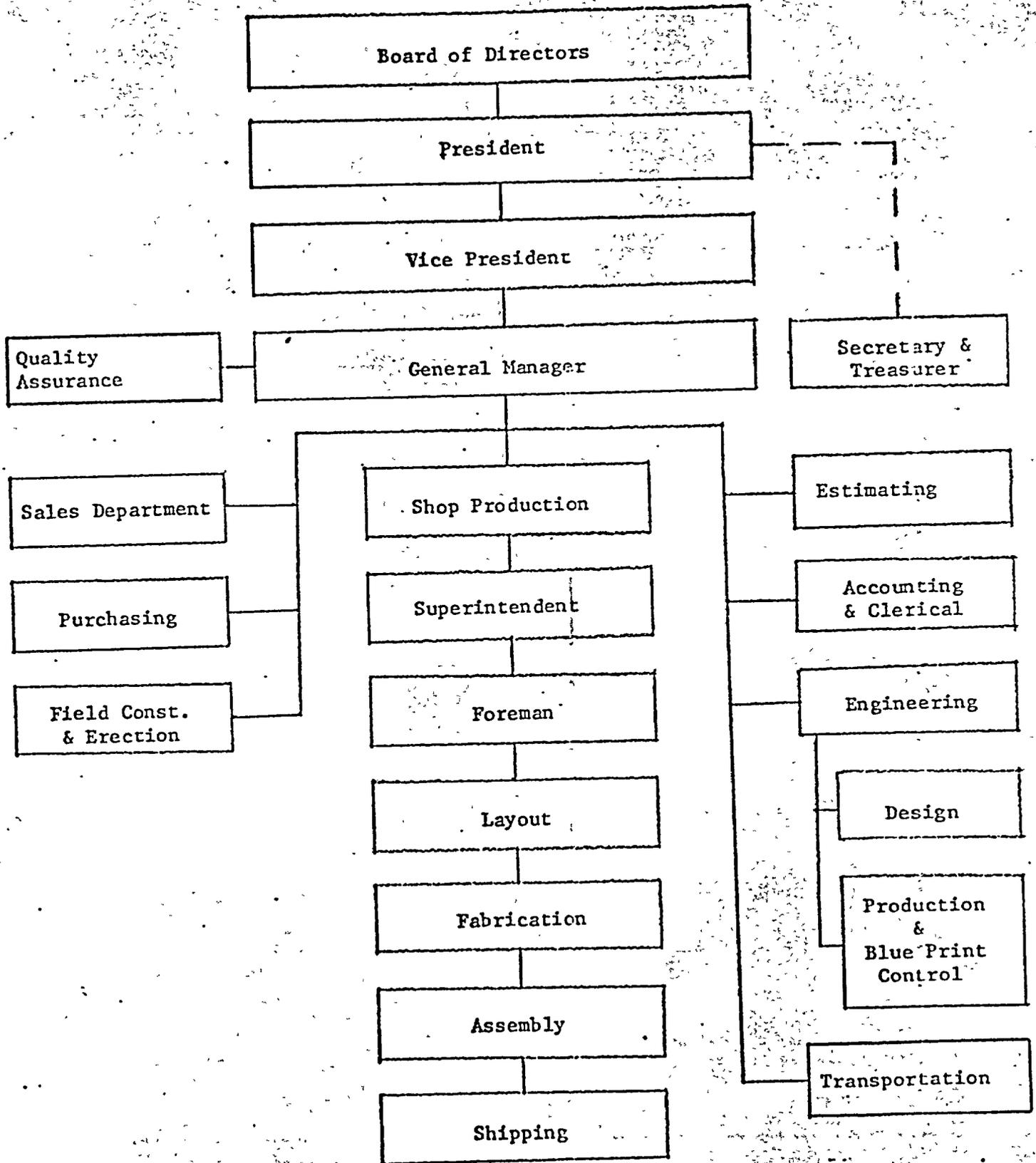
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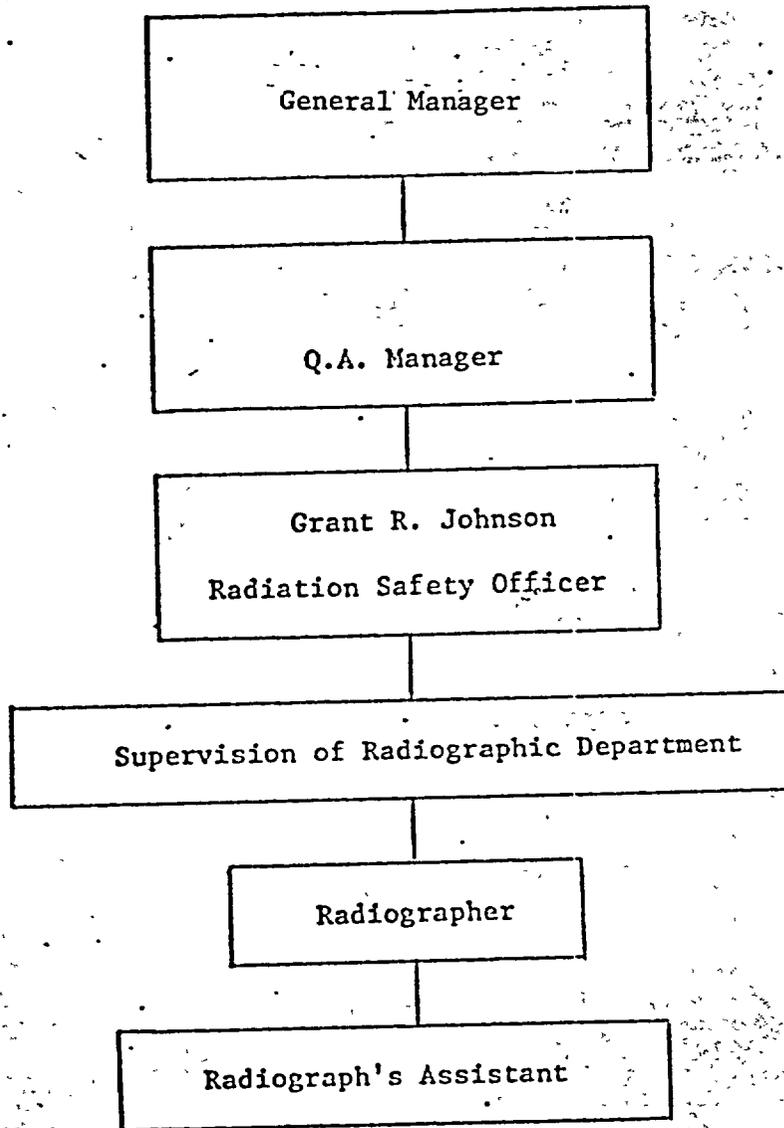
Intermountain Pipe & Weld

Corporate Organizational Chart



ORGANIZATION CHART

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QUALITY ASSURANCE PROCEDURE	TITLE: RECEIVING RADIOACTIVE MATERIAL
APPROVED: <u>IP&W Radiation Safety Officer</u> <i>Grant Johnson</i>	NUMBER <u>RT-3</u> REV. <u>0</u>

1.0 Scope

This procedure outlines the steps that shall be followed for the receiving of Radioactive Materials.

2.0 Personnel Qualifications

The only personnel authorized to accept shipment of Radioactive Material is a Radiation Safety Officer or a qualified SNT-TC-1A Level II Radiographer that has been trained in this procedure.

3.0 General Requirements

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3.5 If the Mr reading is within the specifications in the NRC, Title 10, paragraph 20.205, he may then proceed to open the shipping container. If the reading is not within the above specification notify by telephone and telegram the NRC and final delivering carrier. Follow instructions as outlined in the emergency section of the NRC radiographic license.

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APPROVED: <u>Grant Johnson</u> IP&W Radiation Safety Officer	NUMBER <u>RT-3</u> REV. <u>0</u>

3.7 Take packing list and check the decay chart for source serial number, amount of curies, leak test date and pertinent data.

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3.9 If source is received in our gamma camera and survey readings, visual inspection and all pertinent data is acceptable and documented, place camera in storage box, lock, take reading and document in the radiographic utilization log.

QUALITY ASSURANCE PROCEDURE	TITLE: SHIPMENT OF RADIOACTIVE MATERIAL
APPROVED: <i>Grant Johnson</i>	NUMBER <u>RT-4</u> REV. <u>0</u>

1.0 Scope

This procedure outlines the steps to be followed for the shipment of radioactive material by I P & W Industries, Inc.

2.0 Personal Qualification

The Radiation Safety Officer (R.S.O.) or a SNT-TC-1A - Level II Radiographer that has been properly trained in these procedures shall be the only persons authorized to prepare radioactive materials for shipment.

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3.4 The R.S.O. shall check the shipping container to verify that the container is sealed and marked in accordance with Title 10 Part 71 of the NRC Rules and Regulations. A survey will be taken and the Mr reading recorded.

3.5 The R.S.O. shall notify IP & W Industries, Inc.'s shipping and Receiving Department, who will arrange for a commercial carrier to transport the package to a commercial airport for shipment to Gamma Industries in Baton Rouge, Louisiana.

3.6 A copy of all shipping documents will be kept on file in the R.S.O.'s office.

PREPARED BY:

G. J.

ISSUED:

12-10-77

PAGE 1 OF 1

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2 - Training	A,B	A,D,E	A,D,E	ABCDE
3 - Certifications	B,C	B,C	A,D,E	ABCDE
4 - Testings	A	A-C	A,C,D,E	ABCDE
5 - Document Change	A	A	A	ABCDE
6 - Shipping & Receiving				ABCDE
7 - Specifications	A	A,B,D	A,B,C	
8 - Audits	ABCDE	ABCDE	ABCDE	ABCDE

A - Approve

B - Accept

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D - Initiate

E - Perform