

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee

1. Brunsing Associates

2. P.O. Box 588
Windsor, California 95492In accordance with letter dated
September 16, 19963. License number 04-29097-01 is amended
in its entirety to read as follows

4. Expiration date March 31, 2001

5. Docket or
Reference No. 030-340416. Byproduct, source, and/or
special nuclear material7. Chemical and/or physical
form8. Maximum amount that licensee
may possess at any one time
under this license

A. Cesium-137

A. Sealed sources
registered either with
NRC under
10 CFR 32.210 or with
an Agreement State and
incorporated in a
compatible gauging
device as specified in
Item 9 of this licenseA. No single source
to exceed 11
millicuries

B. Americium-241

B. Sealed sources
registered either with
NRC under
10 CFR 32.210 or with
an Agreement State and
incorporated in a
compatible gauging
device as specified in
Item 9 of this licenseB. No single source
to exceed 50
millicuries

9. Authorized use

A. and B. To be used, for measurement purposes, in portable Boart Longyear Company (formerly Campbell Pacific Nuclear Company) and/or Troxler Electronic Laboratories, Inc. gauging devices that have been registered either with NRC under 10 CFR 32.210 or with an Agreement State and have been distributed in accordance with an NRC or Agreement State specific license authorizing distribution to persons specifically authorized by an NRC or Agreement State license to receive, possess, and use the devices.

210012

ML40

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number 04-29097-01

Docket or Reference Number
030-34041

Amendment No. 1

CONDITIONS

10. Licensed material may be used at the licensee's facilities located at 1215 Elk Street, Suite B, Rock Springs, Wyoming, and at 407 'C' Street, Basin, Wyoming, and at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
11. A. Licensed material shall only be used by, or under the supervision and in the physical presence of, Arthur H. Graff, Kent P. Swanson or individuals who have successfully completed the manufacturer's training program for gauge users, have received copies of, and training in, the licensee's operating and emergency procedures, and have been designated by the Radiation Safety Officer.
B. The Radiation Safety Officer for this license is Arthur H. Graff.
12. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210 or by an Agreement State.
B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
C. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
D. Sealed sources need not be leak tested if:
 - (i) they contain only hydrogen-3; or
 - (ii) they contain only a radioactive gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

MATERIALS LICENSE
SUPPLEMENTARY SHEETLicense Number
04-29097-01Docket or Reference Number
030-34041

Amendment No. 1

- E. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(b)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region IV, 611 Ryan Plaza Drive, Suite 400, Arlington, Texas 76011, ATTN: Director, Division of Radiation Safety and Safeguards. The report shall specify the source involved, the test results, and corrective action taken.
- F. The licensee is authorized to collect leak test samples for analysis by Troxler Electronic Laboratories, Inc. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
14. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.
15. Each portable gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport, storage, or when not under the direct surveillance of an authorized user.
16. Except for maintaining labeling as required by 10 CFR Part 20 or 71, the licensee shall obtain authorization from NRC before making any changes in the sealed source, device, or source-device combination that would alter the description or specifications as indicated in the respective Certificates of Registration issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.
17. Any cleaning, maintenance, or repair of the gauges that requires removal of the source rod shall be performed only by the manufacturer or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
18. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
19. The licensee shall not use sealed sources or probes containing sealed sources at depths exceeding 3 feet below the surface.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number 04-29097-01

Docket or Reference Number
030-34041

Amendment No. 1

20. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
21. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated December 20, 1995
 - B. Letter dated February 23, 1996
 - C. Letter dated March 12, 1996
 - D. Letter dated September 16, 1996
 - E. Facsimile dated October 28, 1996

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date OCT 29 1996

By

Beth A. Prange

Materials Branch
Region IV, WCFO
Walnut Creek, California 94596

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 03121
Status Code: 0
Fee Category: 3P
Exp. Date: 20010331
Fee Comments:
Decom Fin Assur Req'd: N

RECEIVED
96 OCT 25 PM 12:49

LICENSE FEE TRANSMITTAL

A. REGION WCFO

1. APPLICATION ATTACHED

Applicant/Licensee: BRUNSON ASSOCIATES
Received Date: 960925
Docket No: 3034041
Control No.: 572411
License No.: 04-29097-01
Action Type: Amendment

2. FEE ATTACHED

Amount: none
Check No.:

3. COMMENTS

Signed
Date

Jan Garcia
9-26-96

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered ☒)

1. Fee Category and Amount: 3P \$300

2. Correct Fee Paid Application may be processed for:

Amendment ☒
Renewal ☐
License ☐

3. OTHER

Signed
Date

Rita Messier
10/17/96

1996 SEP 30 AM 11:49

Log	<u>Oct 1</u>	<u>WCFO</u>
Remitter		
Check No.	<u>015921</u>	<u>\$300</u>
Amount		
Fee Category	<u>3P</u>	<u>Amel</u>
Type of Fee		
Date Check rec'd.		
Date Completed	<u>10/17/96</u>	
By:	<u>Rm</u>	



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV

611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-8064

BETWEEN: Doug Weiss, Chief
License Fee and Debt Collection Branch
Office of the Controller

D. Blair Spitzberg, Chief
Nuclear Materials Licensing Branch, DRSS, Region IV

1996 OCT 17 PM 1:38

LICENSEE FEE TRANSMITTAL

A. REGION IV

1. APPLICATION ATTACHED

Applicant/Licensee: Brunsing Associates, Inc.

Application Dated: ?

Control No.: 572411

License No.: 04-29097-01

2. FEE ATTACHED

Amount: \$300.⁰⁰

Check No: 015921

3. Comments

Signed: Billie Gruszynski Date 10/16/96

B. LICENSEE FEE AND DEBT COLLECTION BRANCH

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:

Amendment _____

Renewal _____

License _____

Signed: _____ Date _____

LICENSE FEE REQUIREMENTS

LICENSE FEE AND DEBT COLLECTION BRANCH
DIVISION OF ACCOUNTING AND FINANCE
OFFICE OF THE CONTROLLER
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

BRUNSG ASSOCIATES, INC.
ATTN: KENT P. SWANSON
STAFF SCIENTIST
1215 ELK STREET, SUITE B
ROCK SPRINGS, WY 82901

TYPE OF ACTION

- ☐ NEW LICENSE
☐ RENEWAL OF LICENSE
☒ AMENDMENT TO LICENSE

REQUESTED DATE

9-16-96

LICENSE NUMBER

04-29097-01

CONTROL NUMBER

572411 ATTN: RITA MESSIER, LFARB, T9E10

I. APPLICATION FEE DUE

Your request for a licensing action is subject to the fee(s) in the category(ies) noted below in accordance with Section 170.31 of the enclosed Federal Register notice. Payment of the fee is required prior to the issuance of the license, renewal, or amendment.

FEE CATEGORY	APPLICATION	RENEWAL	AMENDMENT
3P	\$	\$	\$ 300.00
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$

FEE(s) DUE	\$	300.00
PAYMENT RECEIVED	\$	
AMOUNT DUE	\$	300.00

☒ Your request was received without the prescribed application fee.

☐ We received your Check No. _____ in the amount of \$ _____. Payment of the additional fee noted above is required.

☐ Your request will increase the scope of your license program. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(d)(2).

☐ Your license expired prior to the receipt of your application for renewal. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(a).

MAKE PAYMENT OF THE FEE(S) TO THE U.S. NUCLEAR REGULATORY COMMISSION AND MAIL THE PAYMENT TO THE ADDRESS LISTED AT THE TOP OF THIS FORM. IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS FROM THE DATE LISTED BELOW, WE SHALL ASSUME THAT YOU DO NOT WISH TO PURSUE YOUR APPLICATION AND WILL VOID THIS ACTION.

SIGNATURE - LICENSE FEE ANALYST

RITA MESSIER

LFDCB

REMessier

10/1/96

LFDCB

Distribution:

Pending Fee File

LFARB R/F (2)

OC/DAF RF

OC/DAF/SF(LE-2.7)

Region WCFB

DATE

10-1-96



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV

Walnut Creek Field Office
1450 Maria Lane
Walnut Creek, California 94596-5365

OCT 29 1996

Brunsing Associates
ATTN: Mr. Arthur H. Graff
Radiation Safety Officer
P.O. Box 588
Windsor, California 95492

SUBJECT: LICENSE AMENDMENT

Please find enclosed License No. 04-29097-01. You should review this license carefully and be sure that you understand all conditions. If you have any questions, please contact Kent M. Prendergast at 510/975-0255.

NRC expects licensees to conduct their programs with meticulous attention to detail and a high standard of compliance. Because of the serious consequences to employees and the public which can result from failure to comply with NRC requirements, you must conduct your program involving radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers: Inspection and Investigations," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Possess radioactive material only in the quantity and form indicated in your license.
3. Use radioactive material only for the purpose(s) indicated in your license.
4. Notify NRC in writing of any change in mailing address (no fee required if the location of radioactive material remains the same).
5. Request and obtain written NRC consent before transferring your license or any right thereunder, either voluntarily or involuntarily, directly or indirectly, through transfer of control of your license to any person or entity. A transfer of control of your license includes not only a total change of ownership, but also a change in the controlling interest in your company whether it is a corporation, partnership, or other entity. In addition, appropriate license amendments must be requested and obtained for any other planned changes in your facility or program that are contrary to your license or contrary to representations made in your license application, as well as supplemental correspondence thereto, which are incorporated into your license. A license fee may be charged for the amendments if you are not in a fee-exempt category.

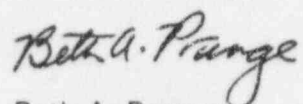
6. Maintain in a single document decommissioning records that have been certified for completeness and accuracy listing all the following items applicable to the license:
 - Onsite areas designated or formerly designated as restricted areas as defined in 10 CFR 20.3(a)(14) or 20.1003.
 - Onsite areas, other than restricted areas, where radioactive materials in quantities greater than amounts listed in Appendix C to 10 CFR 20.1001-20.2401 have been used, possessed, or stored.
 - Onsite areas, other than restricted areas, where spills or other unusual occurrences involving the spread of contamination in and around the facility, equipment, or site have occurred that required reporting pursuant to 10 CFR 30.50(b)(1) or (b)(4), including areas where subsequent cleanup procedures have removed the contamination.
 - Specific locations and radionuclide contents of previous and current burial areas within the site, excluding radioactive material with half-lives of 10 days or less, depleted uranium used only for shielding or as penetrators in unused munitions, or sealed sources authorized for use at temporary job sites.
 - Location and description of all contaminated equipment involved in licensed operations that is to remain onsite after license termination.
7. Submit a complete renewal application with proper fee, or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.
8. Request termination of your license if you plan to permanently discontinue activities involving radioactive material.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation; imposition of a civil

penalty; or an order suspending, modifying, or revoking your license as specified in the "General Statement of Policy and Procedure for NRC Enforcement Actions" (Enforcement Policy), 60 FR 34381, June 30, 1995.

Thank you for your cooperation.

Sincerely,

A handwritten signature in cursive script that reads "Beth A. Prange".

Beth A. Prange
Senior Health Physicist
Materials Branch

Docket: 030-34041
License: 04-29097-01
Control: 572418

Enclosures: As stated

bcc:

Docket File

WCFO Inspection File

LFARB, T-9 E10

State of Wyoming (License Only)

DOCUMENT NAME:

To receive copy of document, indicate in box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

RIV:MB		C:MB	N						
KPrendergast <i>KP</i>		BPrange <i>BAP</i>							
10/29/96		10/29/96		10/ /96		10/ /96		10/ /96	

OFFICIAL RECORD COPY



Brunsing Associates, Inc.

RECEIVED
96 OCT 30 PM 12:12

October 28, 1996

Mr. Kent Prendergast, Radiation Specialist
United States Nuclear Regulatory Commission
Region IV
Walnut Creek Field Office
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596

**Re: Additional Information, Nuclear Density Gauge, License No. 04-29097-01,
Town of Basin, Big Horn County, Wyoming**

Dear Mr. Prendergast:

The purpose of this letter is to present the additional information you requested during our October 28, 1996, phone conversation. The additional information is in regards to storing and operating a nuclear density gauge out of our Basin, Wyoming office.

As a measure to survey our gauge storage area, we have a TLD badge in the working area at all times. This badge is changed and checked monthly. Further, only authorized users are frequently in the gauge storage area. Our intent is to keep exposure to personnel to less than 100 millirems per year, in accordance with 10 CFR, Part 20.

We trust this letter provides the information you require. If you have questions, please call.

Respectfully submitted,

Arthur H. Graff, P.E.
Radiation Safety Officer

cc: Kent Swanson



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV

Walnut Creek Field Office
1450 Maria Lane
Walnut Creek, California 94596-5368

SEP 26 1996

Brunsing Associates, Inc.
ATTN: Kent P. Swanson
Staff Scientist
1215 Elk Street, Suite B
Rock Springs, Wyoming 82901

SUBJECT: ACKNOWLEDGMENT OF REQUEST FOR LICENSING ACTION

REFERENCE: Letter dated September 16, 1996

We have completed the administrative review and initial processing of your application.

Please note that the technical review may identify additional omissions in the submitted information or technical issues that require additional information.

Amendment actions are normally processed within 90 days, unless the technical review identifies:

- Major technical deficiencies
- Policy issues are identified that require input and coordination with other NRC Regional offices, Agreement State offices, or NRC's Office of Nuclear Materials and Safeguards

A copy of your correspondence has been forwarded to our License Fee and Accounts Receivable Branch, Office of the Controller, who will contact you separately if the appropriate license fee has not been submitted for your request, or for billing if your request is subject to full cost recovery.

Any correspondence about this application should reference the Control number listed below.

Sincerely,

Beth A. Prange

Beth Prange
Sr. Health Physicist (Licensing)
Materials Branch

Docket No. 030-34041
License No. 04-29097-01
Control No. 572411

cc: Arthur H. Graff, RSO

bcc:
Docket File

To receive a copy of this document, indicate in the box "C" - Copy without attachment/enclosure "E" - Copy with attachment/enclosure "N" - No Copy

OFFICE	RIV:AO:NMLB	N		N				
NAME	J. Garcia <i>JG</i>		B. Prange <i>BAP</i>					
DATE	9/26/96		9/26/96					



**BRUNSING
ASSOCIATES, INC.**

Amendment
030-34041

RECEIVED
DIVISION
SEP 25 AM 10:00

September 16, 1996

Mrs. Christi Hernandez
U.S. Nuclear Regulatory Commission, Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-8064

RE: Additional Nuclear Density Gauge to be Operated Under NRC License No. 04-29097-01, in Big Horn County, Wyoming.

Dear Mrs. Hernandez,

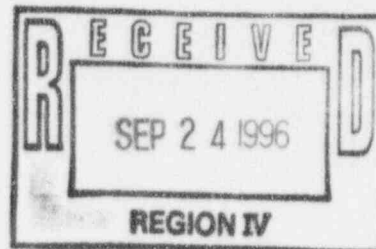
This letter is intended to inform the NRC of an additional gauge that will be operated under NRC license No. 04-29097-01. The gauge will be used in Big Horn County, Wyoming and stored in our office in Basin, Wyoming. Attached is a copy of our office plan showing where the gauge will be stored and standard operating and emergency procedures. The gauge will either be a portable Campbell Pacific or Troxler Laboratory device registered with the NRC under 10 CFR 32.210.

If you have any questions or need additional information, please contact Art Graff (RSO) at (707) 838-3027 or Kent Swanson at (307) 362-9277.

Sincerely,

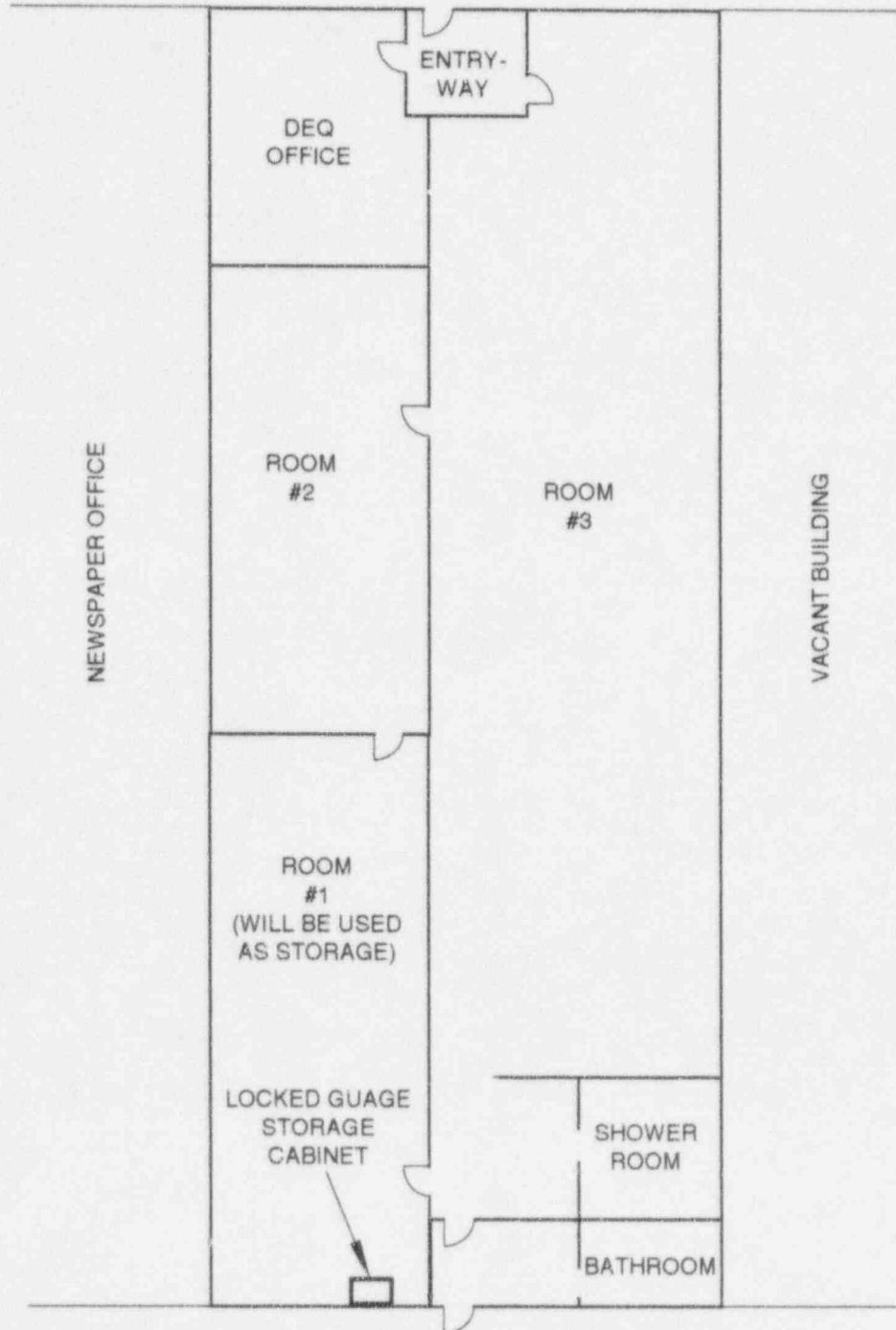
Kent P. Swanson
Staff Scientist

cc: Arthur H. Graff

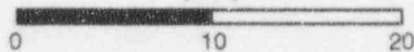


572411

'C' STREET



APPROXIMATE SCALE
(feet)



DRAWN BY:	KPS	9/17/96
CHECKED BY:		
APPROVED BY:		

Brunsing Associates, Inc.
407 'C' Street
Basin, Wyoming

BRUNGING ASSOCIATES, INC.
OFFICE PLAN MAP, WITH NUCLEAR
GUAGE STORAGE INDENTIFICATION
Basin, Wyoming

Standard Operating And Emergency Procedures

Brunsing Associates, Inc.

Basin, Wyoming

Operating Procedures:

- 1.) Upon Removing the nuclear gauge from the storage cabinet, check and make sure the gauge source rod is in the shielded and locked position, and that the source lock is in place.
- 2.) Document the use date(s), name of user, jobsite where gauge will be used in the log book, located within the storage cabinet.
- 3.) Upon removal from the storage cabinet, the gauge shall never be left unattended.
- 4.) Whenever transporting the gauge all applicable Department of Transportation (DOT) requirements shall be followed. This includes carrying all the proper paperwork and labeling/placarding the gauge.
- 5.) During use, avoid touching the rod source with any part of your body including; fingers and hands. Return the source to the shielded and locked position between each measurement.
- 6.) Whenever in custody of the gauge always wear your radiation detection badge. Do not store your badge near the gauge.
- 7.) Discourage unauthorized persons away from the areas in which the gauge will be used.
- 8.) Maintain constant surveillance and control of the gauge when in custody of the gauge.
- 9.) When at a jobsite with the gauge in your custody, take measures to ensure that the location of the gauge is well marked especially in areas where heavy equipment is being used. This may be accomplished by "stake and flagging" the gauge.
- 10.) Do not look under the gauge when lowering the source rod into the ground.

11.) Always return the gauge to its storage cabinet after use at a temporary jobsite or at the end of a work shift.

12.) Upon returning the gauge, log the date and time returned and lock the storage cabinet.

Emergency Procedures:

In the event of an emergency involving possible damage to the radioactive source:

- 1.) Immediately secure the area surrounding the gauge.
- 2.) Do not allow unauthorized personnel to enter the secured area.
- 3.) Freeze and stop all equipment involved until it is determined the extent of contamination if present.
- 4.) Call for assistance. Arrange for a survey meter to be delivered to the site of the emergency to determine if a "spill" has occurred.

Contact:

Emergency Services	911
RSO: Art Graff	Office- (707) 838-3027
Wyoming Emergency	
Management Agency	(307) 777-4904

- 5.) Follow directions provided by the contacts listed in step 4.

