

VOID SHEET

TO: LICENSE FEE MANAGEMENT BRANCH

FROM: RIII - Patricia M. Vacherlon

SUBJECT: VOIDED APPLICATION

Control Number: 399525

Applicant: Asten, Inc.

License Number: 39-26689-01

Docket Number: 030-34014

Date Voided: 9/17/96

Reason for Void: Licensee withdrew request after review.

Patricia M. Vacherlon 9/17/96
Signature Date

Attachment:
Official Record Copy of
Voided action

FOR LFMB USE ONLY

☐ Refund authorized and processed
☒ No Refund Due
☐ Fee Exempt or Fee Not Required

Comments: _____

Log Completed: ☒

Processed by: SAC 10/2/96
ML 30 SD
di

070025

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

PROGRAM CODE: _____
STATUS CODE: 3
FEE CATEGORY: _____
EXP. DATE: 0
FEE COMMENTS: _____
DECOM FIN ASSUR RECD: _____

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: ASIL INCORPORATED
RECEIVED DATE: 951121
DOCKET NO: 3034014
CONTROL NO: 399525
LICENSE NO: _____
ACTION TYPE: NEW LICENSE

*name and
mailing address
changed to another
state.*

2. FEE ATTACHED
AMOUNT: 290
CHECK NO: 34772

3. COMMENTS

SIGNED
DATE

D. Hersey
11-24-95

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED)

1. FEE CATEGORY AND AMOUNT: *3P* *\$290*

2. CHECK IF FEE PAID. APPLICATION MAY BE PROCESSED FOR:
ALLIANCE ☒
RENEWAL ☐
LICENSE ☐

3. OTHER

SIGNED
DATE

SC *11/30/95*

Log	<i>Nov 16 III</i>
Remitter	
Check No.	<i>34772</i>
Amount	<i>\$290</i>
Fee Category	<i>3P</i>
Type of Fee	<i>Application</i>
Date Check Recd	<i>11-29-95</i>
Date Completed	<i>11-30-95</i>
By:	<i>SC</i>

RECEIVED
NOV 16 1995
REGION III



Asten, Inc.

Highway 15-N P.O. Box 5000
Walterboro, SC 29488-5000
(803) 549-6333 Fax: (803) 549-7447

November 17, 1995

US NRC Region III
Regional Office
801 Warrenville Road
Lisle, Illinois 60532-4351

Attention: Material Licensing Section

Re: Amendments to U.S. Materials License 48-24750-01

Greetings:

This letter is a formal request to amend U.S. Materials License 48-24750-01 due to changes in Asten's internal and sales/service organizations:

Company name and mailing address:

Asten, Inc.
Hwy. 15-N, P. O. Box 5000
Walterboro, SC 29488-5000

Radiation Safety Officer is:

G. Michael Brown
Title: Computer Technology Specialist
Asten, Inc.
Hwy. 15-N, P. O. Box 5000
Walterboro, SC 29488-5000

This license is for the use and storage of portable NDC gauges to be used at temporary job sites in paper mills to measure density. The storage locations in non-agreement states are:

Wisconsin - two units
Larry Woldt (residence)
921 Oviatt Street
Kaukauna, WI 54130

Val Kostka (residence)
5411 Linda Street
Schofield, WI 54476

Ohio - one unit
Larry Walters (residence)
6344 S. Devonshire Lane
Loveland, OH 45140

Michigan - one unit
Gerry Knowles (residence)
6483 Dove Road
Smith Creek, MI 48074

Pennsylvania - one unit
Charlie Baker (residence)
603 Spring Line Drive
West Chester, PA 19382

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NOV 21 1995

REGION III

399525

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November 17, 1995
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Each portable unit is stored in a locked cabinet with a nuclear placard on the door, away from living spaces. I have included a portion of our Radiation Safety manual covering storage requirements for your review. Also attached is a sketch of each storage location in respect to living areas.

Per a telephone call with Ms. Shirley Crutchfield at the US NRC, an amendment fee of \$290.00 is enclosed.

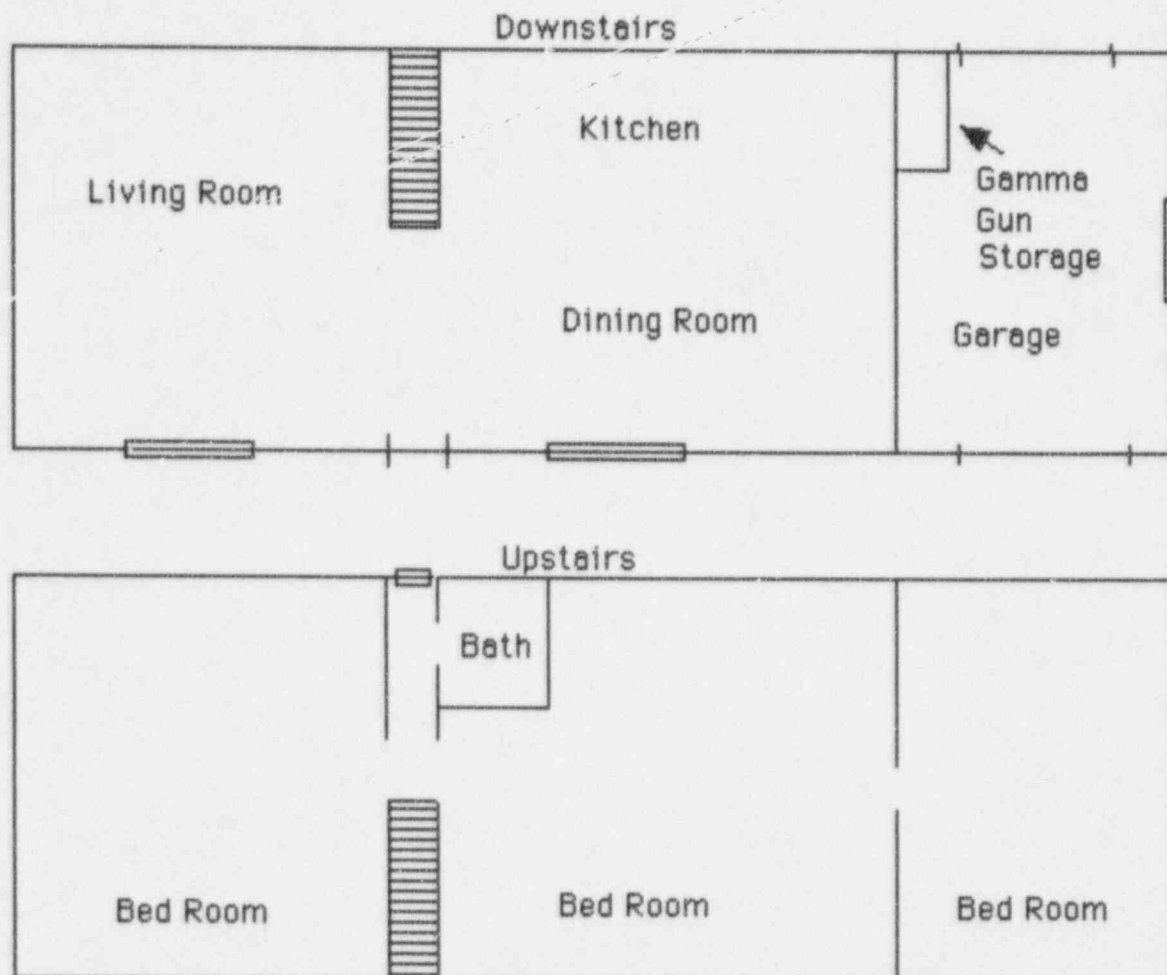
Thank you for your anticipated cooperation. If I can answer any questions, please do not hesitate to contact me at the numbers below.

Sincerely,


G. Michael Brown

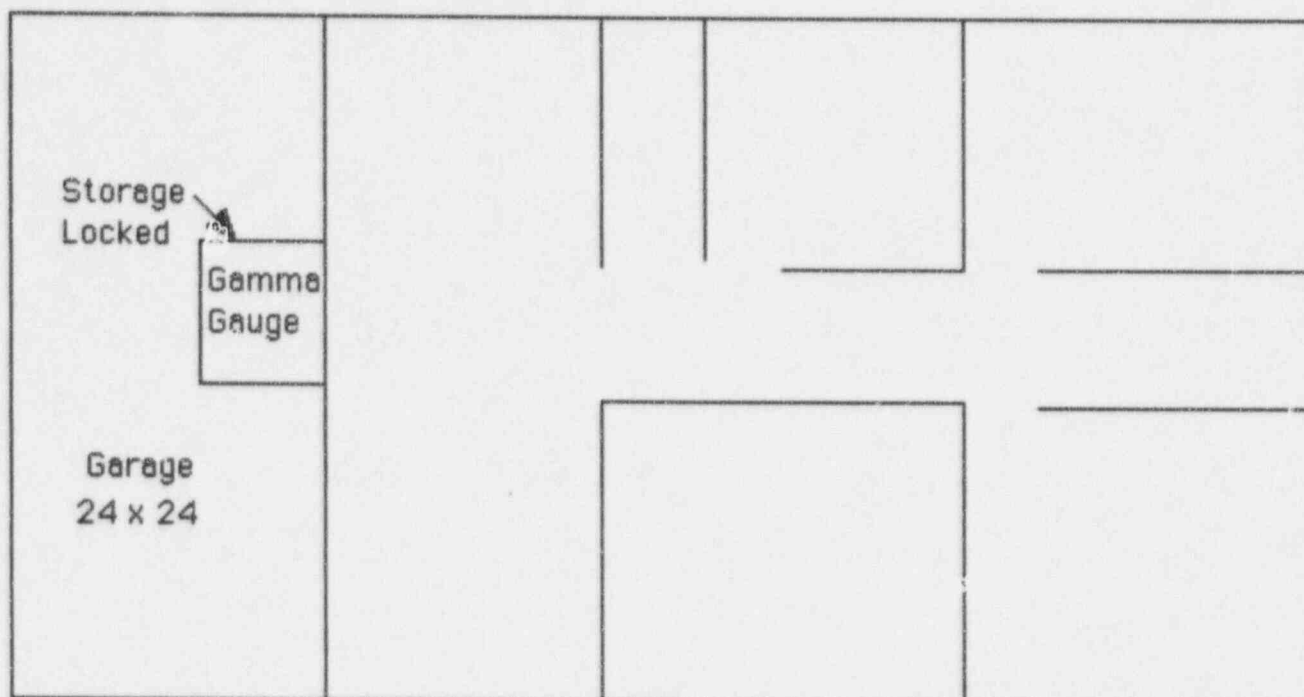
Direct Office Line: 1-803-549-3179
Fax: 1-803-549-7447

Enclosures



Storage of NDC Unit

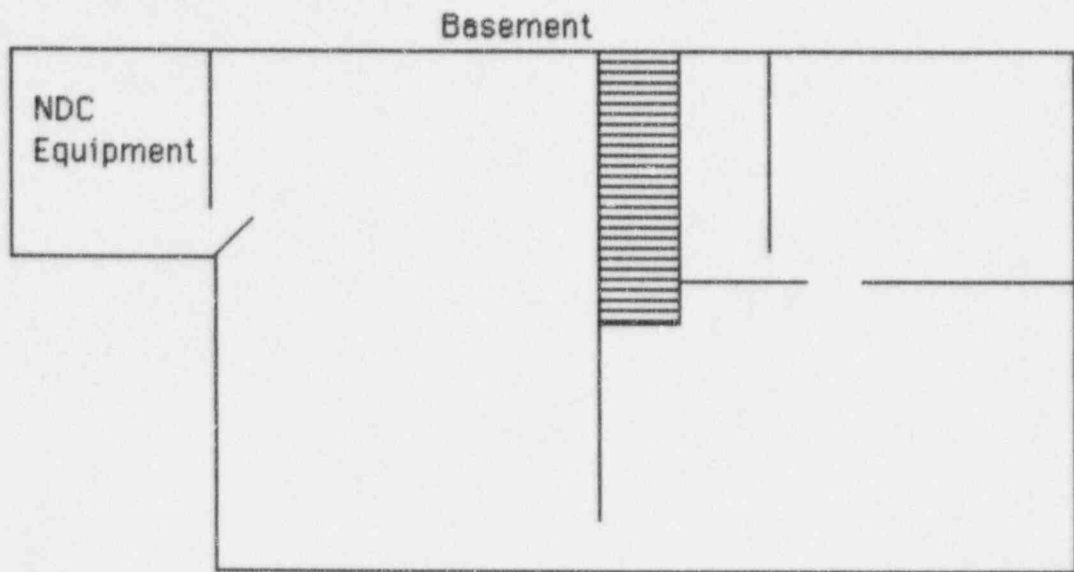
Larry Woldt
921 Oviatt Street
Kaukauna, WI 54130



House: 1,250 square feet

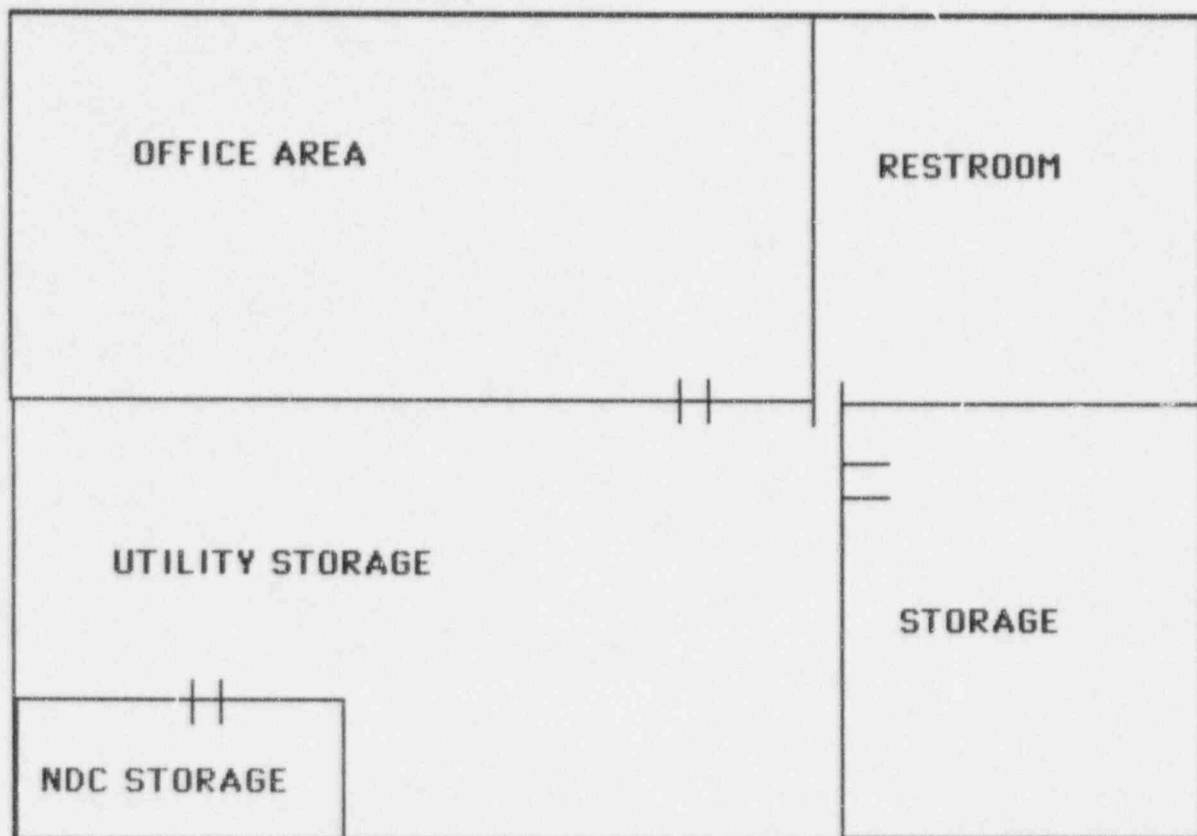
Storage of NDC Unit

Val Kostka
5411 Linda Street
Schofield, WI 54476

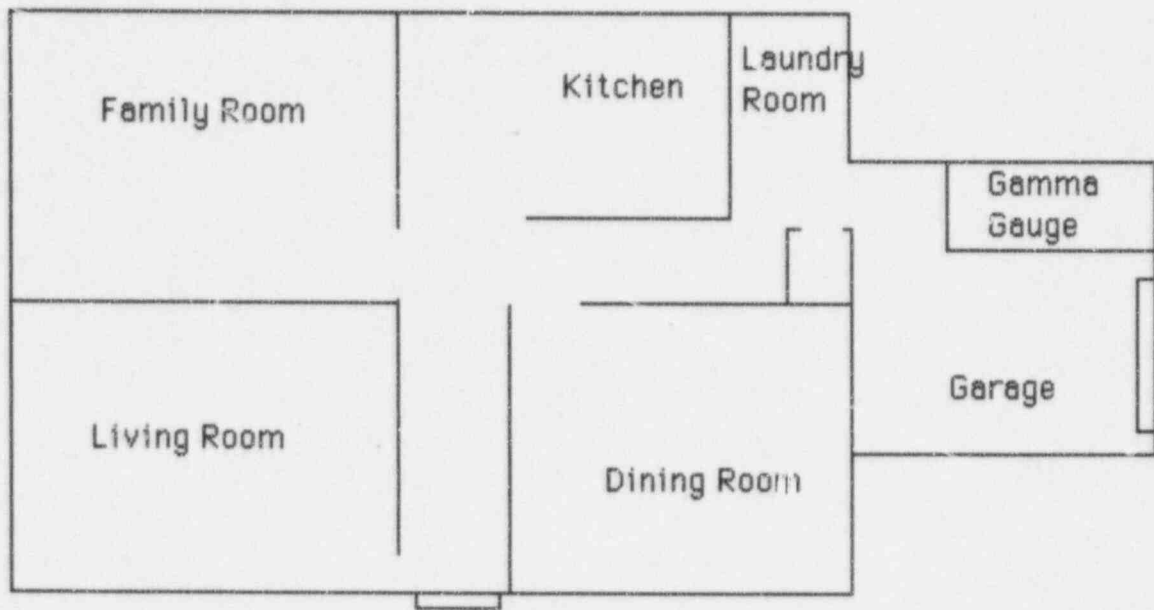


Storage of NDC Unit

Larry Walters
6344 S. Devonshire Lane
Loveland, OH 45140



STORAGE OF NDC UNIT
GERRY KNOWLES
6483 DOVE ROAD
SMITH CREEK, MI 48074



Storage of NDC Unit

Charlie Baker
603 Spring Line Drive
West Chester, PA 19382

SECTION 1

RADIOACTIVE MATERIAL PROGRAM

ASTEN, INC.

RADIOACTIVE MATERIAL PROGRAM

SCOPE AND APPLICATION

This program prescribes basic mandatory practices and procedures which Asten, Inc. has established and used for the safety/protection of associates and to meet the requirements of different state and federal laws. For further legal requirements, the code of regulation (CFR 10), the OSHA manual, and the agreement state rules and regulations should be referred to.

For specific information on the operation of radioactive equipment, the manufacturer's operating manual should be referenced.

DOCUMENT CONTROL

Document control and responsibility are that of the Radiation Safety Officer for Asten, Inc. for the NRC license, all State licenses, entry to agreement states and non-agreement states. All documents concerning radioactive material will be kept in Walterboro, SC.

TRAINING

Training was provided to the associates listed in Appendix A and will be provided to associates on an as needed to know basis. Gamma Gun Equipment Safety Training Outline and Current Certificates of Training are also listed in Appendix A.

LICENSES

NRC LICENSE

Asten has a NRC (Nuclear Regulatory Commission) License No. 48-24750-02, for use of its Gamma Gauges "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." This includes all non-agreement or NRC States. (See NRC License)

STATE LICENSE - SEE SECTION 3

RECIPROCITY STATES - SEE SECTION 4

NON-AGREEMENT STATES - SEE SECTION 5

INVENTORY OF GAUGES

The state and federal requirements are that a physical inventory will be taken of the gauges every three months, recorded, and on file when the state or federal inspector walks through the door for a surprise inspection.

The inventory and the inventory records for the gauges located in the various states will be the responsibility of the Sales/Service field associates. The inventory records will be filed in Walterboro on an as needed basis. The inventory, inspection and maintenance log will be utilized. (Refer to Appendix B)

The records of inventory will be maintained for a period of at least three years.

INSPECTION

At the time of inventory, the responsible person will conduct a program of inspection and maintenance of gauges and storage containers to assure proper functioning of components important to safety. All appropriate parts shall be maintained in accordance with manufacturer's specifications. Records of inspection and maintenance will be maintained for three years from the date of inspection. The inspection will be logged on the quarterly inventory, inspection, and maintenance log. (Refer to Appendix B)

If maintenance is required on any gauge, it will immediately be taken out of service and sent to NDC Systems for repairs.

UTILIZATION LOG

The utilization log will be used for each gauge at the various locations. These logs are the responsibility of the Sales/Service field associates to whom they are assigned. When the log is full, it will be mailed to Walterboro for storage. (Refer to Appendix C)

POSTING

All Sales/Service field associates will have in their possession form SC-RHA-20. (Refer to Appendix D)

The radiation symbol will be posted on all radioactive equipment.

For portable gauges used at the customer's location, it will be the user's responsibility to notify the workers in the area that radioactive equipment is in use.

PHYSICAL FACILITIES

When the NDC portable gauges are not in use and not being transported and locked in the trunk of a Sales/Service field associate's car, they will be stored at the Sales/Service field associate's residence and locked in a storage room area. The gauge will be stored in the area marked "storage room" located in the drawing, not a sleeping or living area. (Refer to Appendix E)

RADIATION SAFETY

RADIATION SAFETY OFFICER

The Radiation Safety Officer (RSO) will have radiation protection training from the manufacturer of the device and will have read and have working knowledge of Industrial Code Rule 38 and the radioactive materials license. The duties of the RSO are as follows:

1. To administer the radiation safety program on a daily basis and ensure that all terms of the license are satisfied.
2. To ensure that leak tests of the device and a physical inventory are performed at six month intervals. Records will include make, model, serial number, location, date and initials of the RSO.
3. To ensure that all operators are certified by training from the manufacturer and wear personnel TLD badges during handling of devices.
4. To maintain all records required by the licensing agency and have them readily available for inspection.
5. To collect, return and distribute personnel badges, review dosimetry reports and conduct an annual internal audit to evaluate handling procedures, compliance with requirements, and possible methods to reduce exposure.
6. To serve as a point of contact and assist in emergencies involving the radioactive material device.
7. To take any action necessary to eliminate unsafe conditions and prevent unnecessary radiation exposure.
8. To ensure that devices are serviced as necessary at a manufacturer's authorized location, and that receipt and return of sources/devices are properly documented.

Recommended Handling Procedures

1. A trained Sales/Service field associate is to be responsible for the NDC gauges.
2. When not in use, keep the probe shutter closed.
3. Avoid pointing or positioning the probe in such a way that personnel are closer than two feet in a direct line with the probe face.
4. Do not unnecessarily look at the open probe face or allow the probe face to be directed toward the body.
5. Do not in any manner attempt to examine the source, to change it in any way, or to touch it with sharp or pointed instruments.
6. Do not in any way open or alter any part of the probe.
7. Do not allow non-informed personnel to handle the unit.
8. If any questions should arise, contact the Radiation Safety Officer or NDC Systems.
9. At all times, operate the gauge so that no personnel are closer than two feet to the front of the probe when the shutter is open.

INSTRUCTIONS FOR LEAK TESTING

Leak testing kits will be ordered from NDC Systems for the portable gamma gauges. Leak tests must be performed every six (6) months, and the results filed, in order to be in compliance with NRC.

1. Take the plastic bag containing the swab stick to the source holder to be tested.
2. Open the plastic bag and grasp the swab stick by the end opposite the fiber tip.
3. Wipe the external surface of the source holder with the fiber tipped end. Wipe all seams and around the shaft of the shutter mechanism. Replace test swab in the plastic bag and seal.

CAUTION: Do not touch the fiber-tipped end or allow it to touch other objects, as this would spread contamination if the source were leaking.

4. Attach the label provided with the test kit. Return it to NDC lab for test results.

TEST RESULTS

Upon receipt, NDC will perform a test to determine the presence of the radioactive contamination. If the result of the leak test came out negative, the results are returned to you by mail, indicating that no contamination was present. If removable contamination is found, and it is less than 0.005 micro curie, you will be advised to dispose of the source, although technically it may not be leaking. You are required to keep all leak test results on file until three (3) years after the next required test or disposal.

PROCEDURE IN CASE OF SUSPECTED DAMAGE TO THE SOURCE

This procedure is designed to prevent the spread of radioactive material, should the source be damaged. It should be carried out by one person, if possible, and conducted in as limited a physical area as possible. Because of its physical location and its construction (helium-arc welded stainless steel), it is highly unlikely that any damage will occur to the source. However, in case of actual or suspected damage, the following procedure should be followed.

1. Place the entire probe in a plastic bag and seal, or in any container with a tight lid.
2. Notify the RSO and the nearest State Department Public Health, or nearest NRC Office.
3. Isolate the sealed source in an unused and secure area.
4. All personnel involved should thoroughly wash their hands.
5. If possible, rope off the area involved until such time the proper authorities have arrived to investigate.
6. Call NDC Systems collect during normal West Coast working hours at 818-358-1871.
7. Call 818-357-9636 on weekends, or after normal working hours, and leave a message.

EMERGENCY PROCEDURE

If the source is damaged, cover with polyethylene or place in a plastic bag. Rope the area 20 feet in each direction. Call the Radiation Officer at Asten, Walterboro and notify the appropriate agency in the state in which you are located.

SHIPPING INSTRUCTIONS FOR NDC RADIOACTIVE SENSOR PROBES

For instruction see Appendix F

REGULATIONS FOR TRANSPORTING PROBES IN VEHICLE

1. When transporting the device, the Sales/Service field associate shall have in his possession:
 - a) Manufacturer's instruction manual and the company's operation and emergency procedures
 - b) Copy of the latest leak-test results
 - c) Shipping papers
 - d) Utilization log
2. The device will be transported in its carrying case, locked in the trunk of a passenger vehicle, braced and blocked to prevent movement during transportation. If transported in an open bed vehicle, the device will be locked in a steel cabinet bolted to the bed of the truck. The transportation vehicle will be secured at all times when not under the direct supervision of a qualified person.

The case must always be placarded.

When transporting your unit, be sure you always have a copy of your specific license and copies of up-to-date leak test certificates.

STATE BY STATE RECIPROCITY GUIDELINES

This section provides a state by state guide to reciprocity requirements.

NRC regulated (non-agreement states) require no notification of entry. However, the items listed on the NRC required items page must be carried for entry into these states.

For all other states follow the rules as listed.

Please Note: You will need to notify each agreement state before you enter with the Gamma Gauge.

NRC REQUIRED ITEMS

Always carry the following items with your gauge:

1. Up-to-date leak test certificate
2. A copy of the State regulations of the state you are entering
3. Your TLD Badge
4. Contact person, where you are going, how long you will be on site.
5. A copy of your company's Radiation Program manual which could include:
 - A copy of current NRC license
 - Documentation of your gamma gauge training
 - Emergency Handling Procedures
 - Radiation Safety Procedures
 - Instructions for Leak Test
 - Waste Management
 - Shipping Instructions
 - Shipping Papers
 - NRC Notice to Employees
 - Utilization Log
 - Quarterly Inventory, Inspection Log
 - Storage Location
 - U. S. Nuclear Form 241
 - Reciprocity Forms
6. You must placard the outside of your gauge case at all times.

MAR 25 1996

G. Michael Brown
Computer Technology Specialist
Asten, Inc.
Hwy. 15-N
P. O. Box 5000
Walterboro, SC 29488-5000

Dear Mr. Brown:

We have reviewed your letter dated November 17, 1995 requesting an amendment and find that we will need additional information.

Due the move of your corporate relocation to the state of South Carolina, we must terminate your current license and issue a new license with a new license number reflection the relocation to South Carolina. It appears that in addition to relocation, you have had a complete change of personnel as well. Please provide us with the following information so that we may continue our review of your request:

1. Provide us with evidence that the new radiation safety officer (RSO) and the new users have been trained in the use of the device. Copies of the training certificate issued upon completion of training will be adequate evidence of training.
2. Provide an explanation/justification of why the devices must be stored in a private residence rather than in a commercial facility owned by Asten, Inc. State approximately how many times a month the gauges will be used at temporary job sites.
3. In one section of your application entitled INVENTORY OF GAUGES, you state that inventories will be conducted at **three** month intervals. In another section of the application, you state that the radiation safety officer will assure that a physical inventory is performed at six month intervals. Please clarify the intervals at which physical inventories will be conducted.

4. The section of your application entitled INVENTORY OF GAUGES includes a direction that the inventory records for the gauges will be the responsibility of the various Sales/Service field associates and records will be filed at the Waterboro, SC location on an as needed basis. Please revise this section to reflect a requirement that a copy of the records also be filed with the Waterboro, SC office.

It is the RSO's responsibility to maintain control over the entire program. It is unclear to us how control could be maintained if the RSO did not have copies of all required records to assure that leak tests and inventories are being conducted at the required intervals.

5. Describe how the RSO intends to assure that the various sites are conducting operations in accordance with your own radiation safety program and the various regulations. Does the RSO intend to conduct site visits at the various locations at intervals throughout the year?
6. The emergency procedures provide for a phone call to the RSO in their event of an emergency, but does not describe the actions the RSO will take. Please provide us with a description of the actions the RSO will take in an emergency situation. For instance, state if the RSO will be physically present to oversee the proper disposition of a damaged source, or will the manufacturer provide an on-site representative.
7. Modify your transportation procedures to include a knowledge of DOT regulations as well as a copy of DOT regulations to be carried with the gauge. We have enclosed a copy of Draft Regulatory Guide DG-0008 which describes the applicable DOT regulations for safe transportation of radioactive material.

We will continue our review upon receipt of this information. Please reply in duplicate, within 30 days, and refer to Control Number 399525.

Upon failure to file an answer within the specified time, we will consider that you have abandoned your request and will void this action. This is without prejudice to resubmission of the application.

G. Michael Brown

-3-

If you have any questions or require clarification on any of the information stated above, you may contact us at (708) 829-9887.

Sincerely,

Original Signed By
Patricia M. Vacherlon
License Reviewer

License No. 39-26689-01
Docket No. 030-34014

Encl: DG-0008 (Draft Regulatory Guide for the Use
of Sealed Sources in Portable Gauging Devices)

DOCUMENT NAME: M:\03034014.DF6

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	DNMS/RIII	<input checked="checked" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NAME	PMVacherlon:brt						
DATE	03/25/96 <i>PM</i>						

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