

APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

FEDERAL AGENCIES FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIAL SECTION B
631 PARK AVENUE
KING OF PRUSSIA, PA 19406

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
MATERIAL RADIATION PROTECTION SECTION
101 MARIETTA STREET, SUITE 2900
ATLANTA, GA 30323

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
MATERIAL RADIATION PROTECTION SECTION
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

☐ A. NEW LICENSE

☐ B. AMENDMENT TO LICENSE NUMBER

☒ C. RENEWAL OF LICENSE NUMBER 34-18901-01

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)

Alan Stone CO., Inc.
P. O. Box 127
SR. 377
Chesterhill, Ohio 43728

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED.

At address listed in Item #2 and at temporary jobsites anywhere NRC maintains jurisdiction.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Claude A. Janes

TELEPHONE NUMBER

(614) 554-6191

SUBMIT ITEMS 5 THROUGH 11 ON 8 1/2 x 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL

a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITY

8506030185 850510

REG3 LIC30

34-18901-01

PDR

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY 3.L AMOUNT ENCLOSED \$110.00

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN, IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

SIGNATURE—CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

Claude A. Janes

Claude A. Janes

Secretary

2/20/85

a. ANNUAL RECEIPTS

<\$250K	\$1M-3.5M
\$250K-500K	\$3.5M-7M
\$500K-750K	\$7M-10M
\$750K-1M	>\$10M

b. NUMBER OF EMPLOYEES (Total for entire facility excluding outside contractors)

N/A

c. NUMBER OF BEDS

N/A

d. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Salary and/or staff hours) ON THE ECONOMIC IMPACT OF CURRENT NRC REGULATIONS ON ANY FUTURE PROPOSED NRC REGULATIONS THAT MAY AFFECT YOUR FACILITY? (NRC Regulations permit it to protect confidential commercial or financial—proprietary—information furnished to the agency in confidence)

☐ YES

☒ NO

FOR NRC USE ONLY

TYPE OF FEE

FEE LOG

FEE CATEGORY

COMMENTS

APPROVED BY

AMOUNT RECEIVED

CHECK NUMBER

CONTROL NO. 78372

DATE

PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e)(3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on NRC Form 313. This information is maintained in a system of records designated as NRC-3 and described at 40 Federal Register 45334 (October 1, 1975).

1. **AUTHORITY:** Sections 81 and 161(b) of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2111 and 2201(b)).
2. **PRINCIPAL PURPOSE(S):** The information is evaluated by the NRC staff pursuant to the criteria set forth in 10 CFR Parts 30, 32, 33, 34, 35 and 40 to determine whether the application meets the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations, for the issuance of a radioactive material license or amendment thereof.
3. **ROUTINE USES:** The information may be (a) provided to State health departments for their information and use; and (b) provided to Federal, State, and local health officials and other persons in the event of incident or exposure, for their information, investigation, and protection of the public health and safety. The information may also be disclosed to appropriate Federal, State, and local agencies in the event that the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be transferred to an appropriate Federal, State, or local agency to the extent relevant and necessary for an NRC decision or to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you.
4. **WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION:** Disclosure of the requested information is voluntary. If the requested information is not furnished, however, the application for radioactive material license, or amendment thereof, will not be processed. A request that information be held from public inspection must be in accordance with the provisions of 10 CFR 2.790. Withholding from public inspection shall not affect the right, if any, of persons properly and directly concerned need to inspect the document.
5. **SYSTEM MANAGER(S) AND ADDRESS:** U.S. Nuclear Regulatory Commission
Director, Division of Fuel Cycle and Material Safety
Office of Nuclear Material Safety and Safeguards
Washington, D.C. 20555

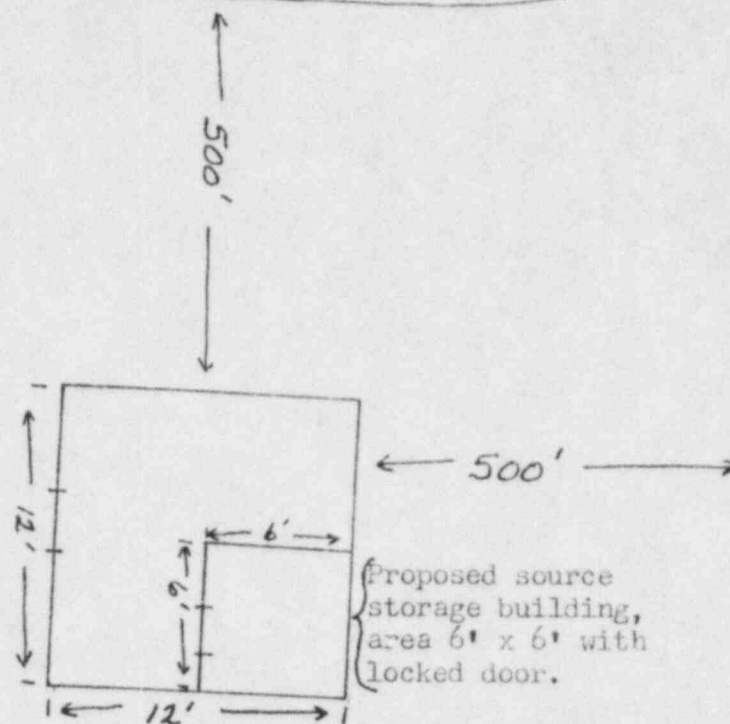
	(A)	(B)	(C)
ITEM #5	Element & Mass #	Chemical or Physical form	Maximum amount which will be possessed at any one time.
1)	CS-137	Sealed Source	no source to exceed 9mCi
2)	Am241:Be	Sealed Source	no source to exceed 9mCi
ITEM #6	Licensed material to be used in Troxler 3400 series Moisture-density guage to measure properties of construction materials.		
ITEM #7	Allen Lee Olney SSN# 276-34-8244 Born June 23, 1936		
TRAINNING:	Obtained Safety Certificate from Troxler Electronic Laboratories safety school and is licensed in West Virginia.		
EXPERIENCE:	Assisted in field testing with nuclear density guage before obtaining his license and has been compaction technician in West Virginia for Alan Stone Co., Inc. since.		
ITEM #8	Same as original		
ITEM #9	Same as original (SEE ATTACHED)		
ITEM #10	Same as original (SEE ATTACHED)		
ITEM #11	Sources will be returned to manufacturer.		

ITEM 9 Facilities & Equipment

S.R. 377

Storage Facility is located 2 miles West of Chesterhill, Ohio on SR 377 at Alan Stone Co., Inc. storage yard. Proposed source storage building to be located inside of a storage building. There will be no individuals working in storage building. All doors on storage building and source building to have locks and to display proper signs. Only authorized personnel to have keys to source storage building.

Storage Building →



Proposed source storage building, area 6' x 6' with locked door.

February 20, 1985

ITEM 10

RADIATION PROTECTION & CONTROL MEASURES

A. HANDLING PROCEDURES

1. Do not operate or attempt to operate the instrument unless you have been authorized to do so.
2. Always keep the source in the "SAFE" or stored position when not in use.
3. A film badge shall be worn when using, transporting or repairing instrument.
4. Never expose yourself to the bare source without sufficient reason for justification of the additional dose.
5. All unauthorized persons shall be kept a minimum distance of 15 feet beyond the operating area.
6. Security of the instrument shall be maintained at all times. The source lock shall be in place when not in use and the instrument shall be kept in a locked vehicle when transported. When instrument is stored, the storage area shall be locked. Not only is it an expensive piece of equipment, but, if stolen, could be abandoned under conditions which could be a hazard to the general public.
7. We have standard operating procedures; the operator should follow these procedures and report any that he feels are unsafe.
8. We shall conduct leak tests each six months. Samples of which will be sent to Troxler for analysis and records of this report will be maintained on file for inspection.
9. If you have any doubts about use of the instrument, ask your radiological safety officer. He will have the answer or can obtain one.

B. SECURITY

Regulations require that locks be maintained on radiographic equipment to prevent accidental exposure of a sealed source when not under direct supervision of approved personnel. In addition, storage containers shall be physically secured to prevent tampering or removal by unauthorized personnel.

C. PERSONNEL MONITORING

We shall not permit any person to use this equipment unless at all times the user is in possession of a film badge dosimeter. Film badges shall be checked monthly and a record shall be maintained for inspection.

D. RECORDS AND REPORTS

1. Alan Stone Co., Inc., shall conduct a quarterly physical inventory to account for all sealed sources received and possessed under our license. The record shall be maintained for inspection.
2. Alan Stone Co., Inc., shall have all sources leak tested at intervals not to exceed six months. In the absence of a certificate, the source shall not be put into use until tested.
3. Reports from film badge service shall be maintained for inspection.
4. When an individual terminates employment with a licensee, a record of his total received dose will be made available to the employee.

E. INCIDENTS

1. Alan Stone Co., Inc., will report any theft or loss of licensed material by telephone or telegram to the appropriate agency, including the appropriate state agency. Within 30 days after a loss, a written report will be filed giving detailed description of the source, circumstances of loss, statement of disposition, possible radiation exposures, or hazard actions taken to recover the source and procedures which will be implemented to prevent a recurrence of the loss or theft.
2. Alan Stone Co., Inc., will report any overexposure of operators which exceeds the limits given in 10 CFR part 20, detailing circumstances of the exposure and possible injury.

F. HANDLING AND EMERGENCY PROCEDURES

1. No personnel may transport or use the Nuclear gauges unless the individual has been approved by the radiological safety officer and the requirements of these procedures are met.
2. Each user must demonstrate their ability to correctly and safely use the Nuclear gauge.
3. At the termination of each field use, the nuclear gauge will be transferred to its regular storage area.
4. In the event of physical damage to the gauge, a sixteen foot (16) radius exclusion area will be maintained until the extent of source damage (if any) is determined. If a vehicle is involved, it will be stopped and remain stopped until the extent of contamination hazard (if any) is determined. If visual examination of the instrument and source rod indicate damage to the source rod tip, including fracture of the tip or weld, we shall notify the Department of Health in area of work and will also notify Troxler Electronic Laboratories, Inc., and keep personnel clear of the instrument. We will remove the instrument from the sight by using a shovel or other long handled instrument and place it in a suitable metal container. We will make provisions to have the site surveyed after removal of the Instrument to determine if a breakage has occurred. Disposition by Troxler Electronics Inc., as covered in Item 15, would be arranged after a leak test had been performed to determine the integrity of the source before transport back to factory.

In performing the leak test, we will use a Troxler 3880 Leak Test Kit.

5. Immediate telephone notification will be made to the following in the event of an accident as in (4 above) or the loss of a sealed source, whether accidental or due to theft.
 - A. Company Radiological Safety Officer - Robert Casto 614-554-6191
 - B. NRC Regional Office - Number to be posted in area
 - C. State Health Department - Number to be posted in area
 - D. Local Authorities - Fire Department, Sheriff, State Patrol
If necessary - Numbers to be posted in area
 - E. Troxler Electronics Laboratories
Michael Nunley 919-549-8661

G. TRANSPORT BY MOTOR VEHICLE

The Troxler 3400 Series Gauge may be transported by motor vehicle under the "YELLOW II" label without placarding the vehicle as required by 49 CFR 177.823.

The lock should be in place and the container placed in a portion of the vehicle which can be locked. When not in transit the equipment should be stored in a secured area.

Since the container has a Transport Index of 0.1 or greater it may not be stored less than 30 centimeters from passengers per 49 CFR 174.586. It also should not be stored for more than 8 hours at less than 1 meter from undeveloped film.

RADIATION PROTECTION OFFICER

The named individual, reporting to management on radiation safety matters, should coordinate:

1. The safe use of the gauges.
2. Assure compliance with the requirements of Title 10 CRF Parts 19, 20, 30, or applicable state regulations, and all applicable US DOT regulations.
3. Assure byproduct materials possessed under the license are in conformity to materials listed on the license.
4. Assure that use of devices (particularly in the field) is only by persons named as users under the license or persons who have completed acceptable training.
5. Assure all users were personnel monitoring (when required) while using gauges.
6. Assure gauges are properly secured against unauthorized removal at all times.
7. To serve as point of contact and give assistance in case of emergency - to insure all proper authorities are notified promptly in case of accidents.
8. Assure that terms conditions of license are met such as:
 - a. Periodic leak tests are performed.
 - b. All required records are kept and reviewed periodically for compliance with regulations - these include source certificate, leak test records, personnel exposure records, and transfer of radioactive materials.

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