

NRC Form 313 I (12-81) 10 CFR 30		U.S. NUCLEAR REGULATORY COMMISSION		1. APPLICATION FOR: <i>(Check and/or complete as appropriate)</i>	
APPLICATION FOR BYPRODUCT MATERIAL LICENSE INDUSTRIAL				<input checked="" type="checkbox"/>	a. NEW LICENSE
<i>See attached instructions for details.</i> Completed applications are filed in duplicate with the Division of Fuel Cycle and Material Safety, Office of Nuclear Material Safety, and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555 or applications may be filed in person at the Commission's office at 1717 H Street, NW, Washington, D. C. or 7915 Eastern Avenue, Silver Spring, Maryland.				b. AMENDMENT TO: LICENSE NUMBER	c. RENEWAL OF: LICENSE NUMBER <div style="font-size: 1.2em; font-family: cursive;">LEL 23542</div>
2. APPLICANT'S NAME <i>(Institution, firm, person, etc.)</i> Oldover Corporation TELEPHONE NUMBER: AREA CODE - NUMBER EXTENSION (804) 798-7981		3. NAME AND TITLE OF PERSON TO BE CONTACTED REGARDING THIS APPLICATION Louis R. Lawson, Jr. TELEPHONE NUMBER: AREA CODE - NUMBER EXTENSION (804) 798-7981			
4. APPLICANT'S MAILING ADDRESS <i>(Include Zip Code)</i> <i>(Address to which NRC correspondence, notices, bulletins, etc., should be sent.)</i> P.O. Box 228 Ashland, VA 23005		5. STREET ADDRESS WHERE LICENSED MATERIAL WILL BE USED <i>(Include Zip Code)</i> Route ² , Box 506 Ashland, VA 23005			
(IF MORE SPACE IS NEEDED FOR ANY ITEM, USE ADDITIONAL PROPERLY KEYED PAGES.)					
6. INDIVIDUAL(S) WHO WILL USE OR DIRECTLY SUPERVISE THE USE OF LICENSED MATERIAL <i>(See Items 16 and 17 for required training and experience of each individual named below)</i>					
FULL NAME		TITLE			
a. Jonathan Benz		Fuels Analyst			
b. Donald S. Grigsby		Manager			
c. Louis R. Lawson, Jr.		Manager			
7. RADIATION PROTECTION OFFICER Louis R. Lawson, Jr.		Attach a resume of person's training and experience as outlined in Items 16 and 17 and describe his responsibilities under Item 15.			
8. LICENSED MATERIAL					
LINE NO.	ELEMENT AND MASS NUMBER A	CHEMICAL AND/OR PHYSICAL FORM B	NAME OF MANUFACTURER AND MODEL NUMBER <i>(If Sealed Source)</i> C	MAXIMUM NUMBER OF MILLICURIES AND/OR SEALED SOURCES AND MAXIMUM ACTIVITY PER SOURCE WHICH WILL BE POSSESSED AT ANY ONE TIME D	
(1)	Nickel 63	Electro deposited on metal foil	New England Nuclear Research NER004	10 millicuries for each electron capture device	
(2)					
(3)					
(4)					
DESCRIBE USE OF LICENSED MATERIAL E					
(1)	Source used as part of gas chromatograph system				
(2)					
(3)	<div style="display: flex; justify-content: space-between;"> <div> 8508120175 850801 REG2 LIC30 45-23547-01 </div> <div style="text-align: right;"> 846 #230-3P Application 7/12/82 Received By... Jacques... </div> </div>				
(4)					

9. STORAGE OF SEALED SOURCES			
LINE NO.	CONTAINER AND/OR DEVICE IN WHICH EACH SEALED SOURCE WILL BE STORED OR USED. A.	NAME OF MANUFACTURER B.	MODEL NUMBER C.
(1)	Sealed in Electron Capture Device Cell Housing	Shimadzu Scientific Instruments, Inc.	GC-8AIE
(2)		7102 Riverwood Drive	
(3)		Columbia, Maryland	
(4)		21046	

10. RADIATION DETECTION INSTRUMENTS						
LINE NO.	TYPE OF INSTRUMENT A	MANUFACTURER'S NAME B	MODEL NUMBER C	NUMBER AVAILABLE D	RADIATION DETECTED (alpha, beta, gamma, neutron) E	SENSITIVITY RANGE (milliroentgens/hour or counts/minute) F
(1)	Not Applicable					
(2)						
(3)						
(4)						

11. CALIBRATION OF INSTRUMENTS LISTED IN ITEM 10	
<input type="checkbox"/> a. CALIBRATED BY SERVICE COMPANY NAME, ADDRESS, AND FREQUENCY Not Applicable	<input type="checkbox"/> b. CALIBRATED BY APPLICANT <i>Attach a separate sheet describing method, frequency and standards used for calibrating instruments.</i> Not Applicable

12. PERSONNEL MONITORING DEVICES		
TYPE (Check and/or complete as appropriate.) A	SUPPLIER (Service Company) B	EXCHANGE FREQUENCY C
<input type="checkbox"/> (1) FILM BADGE <div style="text-align: center;">N/A</div> <input type="checkbox"/> (2) THERMOLUMINESCENCE DOSIMETER (TLD) <input type="checkbox"/> (3) OTHER (Specify): _____ 	N/A	<input type="checkbox"/> MONTHLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> OTHER (Specify): _____

13. FACILITIES AND EQUIPMENT (Check were appropriate and attach annotated sketch(es) and description(s).)
<input checked="" type="checkbox"/> a. LABORATORY FACILITIES, PLANT FACILITIES, FUME HOODS (Include filtration, if any), ETC. <input type="checkbox"/> b. STORAGE FACILITIES, CONTAINERS, SPECIAL SHIELDING (fixed and/or temporary), ETC. <input type="checkbox"/> c. REMOTE HANDLING TOOLS OR EQUIPMENT, ETC. <input type="checkbox"/> d. RESPIRATORY PROTECTIVE EQUIPMENT, ETC.

14. WASTE DISPOSAL
a. NAME OF COMMERCIAL WASTE DISPOSAL SERVICE EMPLOYED N/A
b. IF COMMERCIAL WASTE DISPOSAL SERVICE IS NOT EMPLOYED, SUBMIT A DETAILED DESCRIPTION OF METHODS WHICH WILL BE USED FOR DISPOSING OF RADIOACTIVE WASTES AND ESTIMATES OF THE TYPE AND AMOUNT OF ACTIVITY INVOLVED. IF THE APPLICATION IS FOR SEALED SOURCES AND DEVICES AND THEY WILL BE RETURNED TO THE MANUFACTURER, SO STATE. Device to be returned to the manufacturer: Shimadzu Scientific Instruments, Inc. 7102 Riverwood Drive Columbia, Maryland 21046

INFORMATION REQUIRED FOR ITEMS 15, 16 AND 17

Describe in detail the information required for Items 15, 16 and 17. Begin each item on a separate page and key to the application as follows:


15. RADIATION PROTECTION PROGRAM. Describe the radiation protection program as appropriate for the material to be used including the duties and responsibilities of the Radiation Protection Officer, control measures, bioassay procedures (if needed), day-to-day general safety instruction to be followed, etc. If the application is for sealed source's also submit leak testing procedures, or if leak testing will be performed using a leak test kit, specify manufacturer and model number of the leak test kit.
16. FORMAL TRAINING IN RADIATION SAFETY. Attach a resume for each individual named in Items 6 and 7. Describe individual's formal training in the following areas where applicable. Include the name of person or institution providing the training, duration of training, when training was received, etc.
 - a. Principles and practices of radiation protection.
 - b. Radioactivity measurement standardization and monitoring techniques and instruments.
 - c. Mathematics and calculations basic to the use and measurement of radioactivity.
 - d. Biological effects of radiation.
17. EXPERIENCE. Attach a resume for each individual named in Items 6 and 7. Describe individual's work experience with radiation, including where experience was obtained. Work experience or on-the-job training should be commensurate with the proposed use. Include list of radioisotopes and maximum activity of each used.

18. CERTIFICATE

(This item must be completed by applicant)

The applicant and any official executing this certificate on behalf of the applicant named in item 2, certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Part 30, and that all information contained herein, including any supplements attached hereto, is true and correct to the best of our 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.

a. LICENSE FEE REQUIRED (See Section 170.31, 10 CFR 170) <div style="text-align: right;">\$230.00</div>	b. CERTIFYING OFFICIAL (Signature)  c. NAME (Type or print) Louis R. Lawson, JR.
(1) LICENSE FEE CATEGORY: 3(L)	d. TITLE Manager
(2) LICENSE FEE ENCLOSED: \$230.00	e. DATE June 27, 1985

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Item #15

Louis R. Lawson, Jr. is a Radiation Protection Officer. Leak testing will be performed each six months with a leak test kit. Leak test kit NYS-DOL-2169-1811 manufactured by Nuclear Radiation Development Corporation, 2937 Alt Boulevard North, Grand Island, NY 14072 will be used. Results will be analyzed by this company also.

Item #16

Two days training in radiation safety and operation of equipment has been provided to Jonathan Benz, Donald S. Grigsby, and Louis R. Lawson, Jr. Certificates of training are attached. This training was performed on June 14 and 15, 1983 by Steven D. Cubbedge, with Shimadzu Scientific Instruments, Inc., 7102 Riverwood Drive, Columbia, Maryland 21046. Shimadzu's previous address was 9147 Red Branch Road, Columbia, Maryland 21045.

RESUMES

ITEM 17.

Jonathan Benz

Jonathan Benz has high school degree and has been conducting physical and chemical tests in the Northeast Solite quality Control laboratory for three years. Louis Lawson has a B. S. degree in chemistry; 12 years research experience in organic chemistry and 5 years experience in installing 6 Quality Control laboratories and training personnel. He is a member of ASTM.

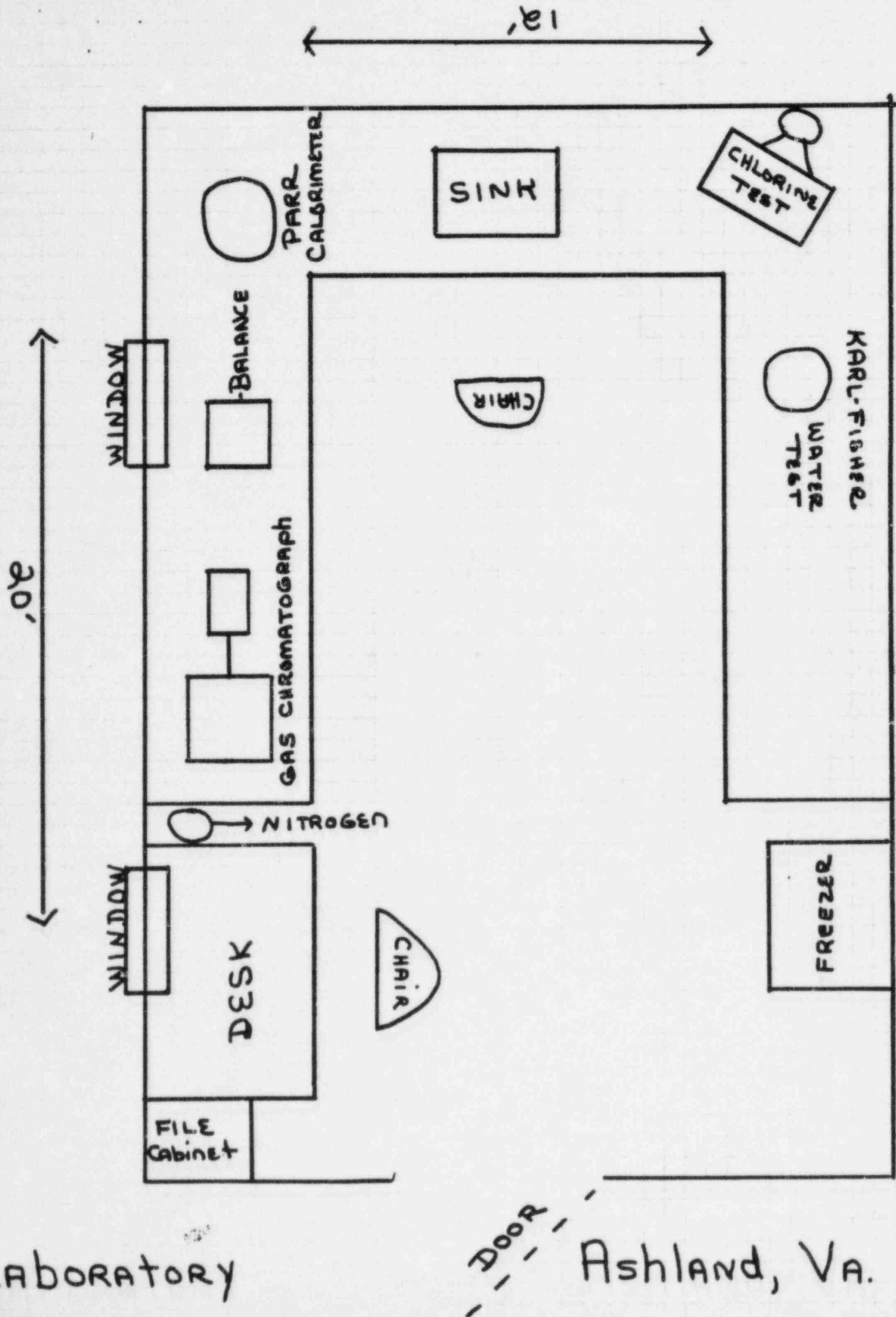
Donald S. Grigsby

Donald S. Grigsby has a B.S. Degree in Chemistry. Mr. Grigsby has had 5 years experience in chemical reserach and 15 years experience in chemical sales. He has also completed the two day training program in radiation safety and operation of a gas chromatograph which was held on June 14 and 15, 1983 by Shimadzu Scientific, Inc. which manufactures the gas chromatograph equipment. He has also spent 2 years to date in operation and training personnel on our Model GC-8A Shimadzu Gas Chromatograph which we have located in our plants in Mt. Marion, New York and Norwood, North Carolina.

Louis R. Lawson, Jr.

Louis R. Lawson, Jr. has a B.S. Degree in Chemistry. Mr. Lawson has had 12 years chemical research laboratory experience. He also has 5 years experience in installing six Qualtiy Control Laboratories and training personnel. he is a member of ASTM. Mr. Lawson also attended the two day training program on radiation safety and operation of a gas chromatograph which was held on June 14 and 15, 1983 by Shimadzu Scientific, Inc. which manufactures the gas chromatograph equipment. He is also Radiation Protection Officer for the gas chromatographs in all our Quality Control Laboratories.

Laboratory



DOOR

Ashland, Va.

Certificate of Award

THIS CERTIFIES THAT

DONALD S. GRIGSBY

OF THE

Oldover Corporation

has been awarded this certificate for participation in

Training for operation of a Gas Chromatograph

Steven D. Cubbedge
Steven D. Cubbedge

June 14th and 15th, 1983

Shimadzu Scientific Instruments,
Inc.

9147 Red Branch Road
Columbia, Maryland 21045

Certificate of Award

THIS CERTIFIES THAT

LOUIS R. LAWSON, JR.

OF THE

Oldover Corporation

has been awarded this certificate for participation in

Training for operation of a Gas Chromatograph

Steven D. Cubbedge
Steven D. Cubbedge

June 14th and 15th, 1983

Shimadzu Scientific Instruments,
Inc.

9147 Red Branch Road
Columbia, Maryland 21045

Certificate of Award

THIS CERTIFIES THAT

JONATHAN G. BENZ

OF THE

Oldover Corporation

has been awarded this certificate for participation in

Training for operation of a Gas Chromatograph

Steven D. Cubbedge
Steven D. Cubbedge

June 14th & 15th, 1983

Shimadzu Scientific Instruments,
Inc.

9147 Red Branch Road
Columbia, Maryland 21045