

### 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.

**APPLICATIONS FOR DISTRIBUTION OF EXEMPT PRODUCTS 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 HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
NUCLEAR MATERIALS SAFETY SECTION B  
75 ALLENDALE ROAD  
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  
NUCLEAR MATERIALS SAFETY SECTION  
101 MARIETTA STREET, SUITE 2000  
ATLANTA, GA 30323

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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  
NUCLEAR MATERIALS SAFETY 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) <input type="checkbox"/> A. NEW LICENSE <input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER _____ <input checked="" type="checkbox"/> C. RENEWAL OF LICENSE NUMBER <u>18-20623-01</u>	2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code) James River Corporation P.O.Box 547 Old Town, ME 04468
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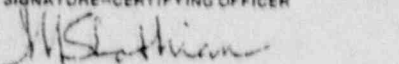
3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED.

James River Corporation Portland Street Old Town, Maine 04468	James River Corporation Penney Road Old Town, Maine 04468
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4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION Mark S. Lothian	TELEPHONE NUMBER 827-7711 Ext.203
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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. <input checked="" type="checkbox"/>	8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS. <input checked="" type="checkbox"/>
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE. <input checked="" type="checkbox"/>	10. RADIATION SAFETY PROGRAM. <input type="checkbox"/>
9. FACILITIES AND EQUIPMENT. <input type="checkbox"/>	12. LICENSEE FEES (See 10 CFR 170 and Section 170.31) FEE CATEGORY 1J AMOUNT ENCLOSED \$ 120.00
11. WASTE MANAGEMENT. <input type="checkbox"/>	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 Mark S. Lothian	TITLE Sr. Electrical Systems Eng Radiation Safety Supervisor	DATE 25-July-88
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9001190267 881021  
REG1 LIC30  
18-20623-01 PDR

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS	APPROVED BY
AMOUNT RECEIVED	CHECK NUMBER			DATE

PART OF  
 APPLICATION FOR MATERIAL LICENSE  
 NRC Form 313 Item 5 Radioactive Material  
 NRC Form 313 Item 6 Purposes of Licensed Material

Source Make	Model Number	Serial Number	Isotope	Quant mCurie	Location	Purpose or usage
Kayray	7050	1360	CS137	250	Lime Kiln	Density,Lime mud to precoat filter
Kayray	7050	1911	CS137	500	Liquor Prep	Density,Lime water from scrubber
Kayray	7050	2448	CS137	250	#4 Recovery	Density,Green Liquor from smelt tank
Kayray	7050	3200	CS137	200	Treatment Plant	Density,#2 Transfer pump sludge
Kayray	7050	3201	CS137	200	Treatment Plant	Density,#1 Primary clarifier sludge
Kayray	7050	3202	CS137	200	Treatment Plant	Density,#2 Primary clarifier sludge
Kayray	7050	3203	CS137	200	Treatment Plant	Density,#1 Transfer pump sludge
Kayray	7062E	3268	CS137	50	#2 Digester	Level,Chip Bin
Kayray	7062E	3269	CS137	100	Pulp Mill	Locked in storage area
Kayray	7063E	4104	CS137	500	#2 Digester	Level,Liquor
Kayray	7062E	4193	CS137	50	#2 Digester	Level,Chip chute high alarm
Kayray	7062	6475	CS137	50	Pulp Mill	Locked in storage area
Kayray	7062P	10954	CS137	100	Liquor Prep	Density,White liquor clarifier lime mud
Kayray	7062P	10955	CS137	100	Liquor Prep	Density,lime mud washer
Kayray	7063P	16127	CS137	200	Liquor Prep	Density,White liquor clarifier dregs
Ohmart	SHRM-PA	M-949	CS137	100	#1 Digester	Level,Chip chute high alarm
Accuray	U-7	K-1985-E	KR85	250	#1 Tissue Mach	Basis Weight
Accuray	U-7	K-1259-A	KR85	500	#2 Tissue Mach	Basis Weight

All devices are located on the main mill property near Jameson and Portland Streets except those at the Treatment Plant which is on Penney Road.

JAMES RIVER CORPORATION - OLD TOWN, MAINE  
 Current License # 18-20623-01

11-011-86

PART OF  
APPLICATION FOR MATERIAL LICENSE  
NRC Form 313 Item 7 Radiation Safety Supervisor  
NRC Form 313 Item 8 Responsible Individuals

The below named individual has completed the INSTALLATION AND NUCLEAR RADIATION SAFETY course offered by Kay-Ray, Inc. during March 23-27, 1981.

Mark S. Lothian / Sr. Electrical Systems Engineer  
/ Radiation Safety Supervisor

Kay-Ray, Inc. is a manufacturer of gauging devices for the process industry and the instructor was John M. DiMartino. The curriculum consisted of the following items:

- 1/ Principles and practices of radiation protection
- 2/ Monitoring radiation levels using Geiger counters
- 3/ Radiation exposure limits
- 4/ Radiation area definitions
- 5/ Calculating radiation levels from known gamma source sizes and distances
- 6/ Calculating dose rates of typical installations
- 7/ Leak testing Kay-Ray source housings
- 8/ Safety practices required for the use and handling of Kay-Ray source housings
- 9/ Installation of source housings demonstration and hands-on installation

The below listed individuals have completed a Kay-Ray, Inc. course on the usage, operation and maintenance procedures of Kay-Ray gauges on April 5-7, 1977.

Joseph Joaquin / Instrumentation Technician  
Ronald Dupuis / Instrumentation Technician

JAMES RIVER CORPORATION - OLD TOWN, MAINE  
Current License # 18-20623-01

PART OF  
APPLICATION FOR MATERIAL LICENSE  
NRC Form 313 Item 9 Facilities and Equipment

Manufacturer: Kayray      Usage: Density      Serial: 1360  
Model: 7050              Amount: 250 mCi Cesium 137  
Location: North end of lime kiln mounted 8 feet above floor  
and more than 100 feet from operator area.

Manufacturer: Kayray      Usage: Density      Serial: 1911  
Model: 7050              Amount: 500 mCi Cesium 137  
Location: Middle of liquor preparation building, mounted 18  
feet above the first floor level above the green  
liquor pump 07-03-004.

Manufacturer: Kayray      Usage: Density      Serial: 2448  
Model: 7050              Amount: 250 mCi Cesium 137  
Location: Basement of #4 Recovery Boiler near smelt tank  
THIS SOURCE IS IN STORAGE AS OF AUGUST-88

Manufacturer: Kayray      Usage: Density      Serial: 3200  
Model: 7050              Amount: 200 mCi Cesium 137  
Location: Basement of treatment plant near floor level by West  
wall. More than 50 feet from operator area.  
THIS SOURCE SHUTTER IS LOCKED AS OF AUGUST-88

Manufacturer: Kayray      Usage: Density      Serial: 3201  
Model: 7050              Amount: 200 mCi Cesium 137  
Location: Treatment plant on the level below the operating  
floor on the west wall at the 6 foot level. More than  
50 feet from operator area.

Manufacturer: Kayray      Usage: Density      Serial: 3202  
Model: 7050              Amount: 200 mCi Cesium 137  
Location: Treatment plant on the level below the operating  
floor on the west wall at the 6 foot level. More than  
50 feet from operator area.

JAMES RIVER CORPORATION - OLD TOWN, MAINE  
Current License # 18-20623-01

PART OF  
APPLICATION FOR MATERIAL LICENSE  
NRC Form 313 Item 9 Facilities and Equipment

Manufacturer: Kayray            Usage: Density            Serial: 3203  
Model: 7050                    Amount: 200 mCi Cesium 137  
Location: Basement of treatment plant near floor level by West  
          wall. More than 50 feet from operator area.  
          THIS SOURCE SHUTTER IS LOCKED AS OF AUGUST-88

Manufacturer: Kayray            Usage: Level               Serial: 3268  
Model: 7062E                   Amount: 50 mCi Cesium 137  
Location: Digester area below operating floor and mounted  
          on chip bin accessible by mezzanine grated floor  
          and ladder. More than 30 feet from operator area.

Manufacturer: Kayray            Usage:                       Serial: 3269  
Model: 7062E                   Amount: 100 mCi Cesium 137  
Location: LOCKED IN STORAGE AREA

Manufacturer: Kayray            Usage: Level               Serial: 4104  
Model: 7063E                   Amount: 500 mCi Cesium 137  
Location: Near top of #2 Digester structure over 70 feet  
          from operator area.

Manufacturer: Kayray            Usage: Level               Serial: 4193  
Model: 7062E                   Amount: 50 mCi Cesium 137  
Location: #2 Digester steaming vessel chip chute. More than  
          30 feet from operator area.

Manufacturer: Kayray            Usage:                       Serial: 6475  
Model: 7062                    Amount: 50 mCi Cesium 137  
Location: LOCKED IN STORAGE AREA

JAMES RIVER CORPORATION - OLD TOWN, MAINE  
Current License # 18-20623-01

PART OF  
APPLICATION FOR MATERIAL LICENSE  
NRC Form 313 Item 9 Facilities and Equipment

Manufacturer: Kayray            Usage: Density            Serial: 10954  
Model: 7062P                    Amount: 100 mCi Cesium 137  
Location: Adjacent to C102 unloading area next to white  
          liquor clarifier tank number 07-03-252. More than  
          50 feet from operator area.

Manufacturer: Kayray            Usage: Density            Serial: 10955  
Model: 7062P                    Amount: 100 mCi Cesium 137  
Location: Adjacent to C102 unloading area next to lime mud  
          washer tank. More than 50 feet from operator area.

Manufacturer: Kayray            Usage: Density            Serial: 16127  
Model: 7063P                    Amount: 200 mCi Cesium 137  
Location: First floor level south of reclaim water tank  
          no. 07-03-001. More than 50 feet from operator area.

Manufacturer: Ohmart            Usage: Level                Serial: M-949  
Model: SHRM-PA-A-2102        Amount: 100 mCi Cesium 137  
Location: #1 Digester steaming vessel chip chute about 25  
          feet from first floor of digester building. More than  
          70 feet from operator area.

Manufacturer: AccuRay          Usage: Basis Weight        Serial: K-1259-A  
Model: U-7                      Amount: 500 mCi Krypton 85  
Location: #2 tissue machine dry end, more than 30 feet from  
          operator area. Source moves on fixed travel scanning  
          U frame.

Manufacturer: AccuRay          Usage: Basis Weight        Serial: K-1985-E  
Model: U-7                      Amount: 250 mCi Krypton 85  
Location: #1 tissue machine dry end, more than 30 feet from  
          operator area. Source moves on fixed travel scanning  
          U frame.

JAMES RIVER CORPORATION - OLD TOWN, MAINE  
Current License # 18-20623-01

PART OF  
APPLICATION FOR MATERIAL LICENSE  
NRC Form 313 Item 10 Radiation Safety Program

10.1 PERFORMANCE OF SERVICE OPERATIONS BY OTHERS

Leak testing will be done on all licensed devices on a six month interval by:

AccuRay, Inc.  
650 Ackerman Road  
P.O. Box 02248  
Columbus, Ohio 43202

NRC# 34-00255-03

Also, AccuRay sources are installed, maintained and removed by AccuRay service personnel located on site.

Repairs of damage to licensed devices will be done by:

Kay-Ray, Inc  
516 West Campus Drive  
Arlington Heights, IL 60004

NRC# 12-11184-01

10.2 PERSONNEL MONITORING EQUIPMENT

Film badges will be used by the personnel performing the maintenance of licensed equipment. These badges are changed every month and the exposure is checked and documented by:

R.S.Landauer Jr. and Co.  
Division of Tech/Ops., Inc.  
Glenwood Science Park  
Glenwood, IL 60425

All radiation areas will be clearly marked with appropriate signs. Form NRC-3 will be properly posted and NRC regulations will be readily available for employees. Employee exposure records will be on file and available for inspection at any time.

JAMES RIVER CORPORATION - OLD TOWN, MAINE  
Current License # 18-20623-01

PART OF  
APPLICATION FOR MATERIAL LICENSE  
NRC Form 313 Item 10 Radiation Safety Program

10.3 RADIATION DETECTION INSTRUMENTS

A Kay-Ray model E120 s/n 243 portable survey meter is available for use. This instrument will be calibrated every 12 months by:

Radiation Safety Services, Inc.  
827 Simpson Street  
Evanston, IL 60201  
NRC# 12-20424-01

Calibration records will be kept with the other radiation safety program files.

10.4 LEAK TESTING

Leak testing of all licensed sources is performed by:

AccuRay, Inc.  
650 Ackerman Road  
P.O. Box 02248  
Columbus, Ohio 43202  
NRC# 34-00255-03

The interval for all licensed gauges will be six (6) months and will be performed by AccuRay qualified service personnel. Test results will be kept with the radiation safety files.

10.5 LOCK OUT PROCEDURES

Lock out procedures will be re-evaluated on a regular basis, documented for filing, posted for maintenance use, and the Radiation Safety Supervisor will be responsible for implementing these procedures.

10.6 PERFORMANCE OF SERVICES

All equipment will be located, mounted and maintained in accordance with the recommendations of the manufacturer.

JAMES RIVER CORPORATION - OLD TOWN, MAINE  
Current License # 18-20623-01



10-Oct-88

PART OF  
APPLICATION FOR MATERIAL LICENSE  
NRC Form 313 Item 11 Waste Management

Disposal of licensed devices will be by transfer to a licensee specifically authorized to possess the radioactive material.

JAMES RIVER CORPORATION - OLD TOWN, MAINE  
Current License # 18-20623-01

NRC313.111

13 SEP 1988

License No. 18-20623-01  
Docket No. 30-19999  
Control No. 109312

James River Corporation  
ATTN: Mark S. Lothian  
Old Town Mill  
P.O. Box 547  
Old Town, Maine 04468

Gentlemen:

This is in reference to your application dated July 25, 1988, to renew License No. 18-20623-01. In order to continue our review, we need the following additional information:

Your present application does not refer to previously submitted documents and does not include a complete description of your radiation safety program. Please review formally submitted documents referenced in Condition 16 of your license and delete and/or consolidate those appropriate to your current licensed program. Your application for renewal should stand alone, containing a complete description of your program.

We will continue our review upon receipt of this information. Please reply in duplicate to my attention at the Region I office and refer to Mail Control No. 109312.

13 SEP 1988

In order to continue prompt review of your application, we request that you submit your response to this letter within 30 calendar days from the date of this letter.

Sincerely,

Original Signed By:  
Thomas K. Thompson

Thomas K. Thompson, Chief  
Nuclear Materials Safety Section C  
Division of Radiation Safety  
and Safeguards

Enclosures:  
Guide for the Preparation of Applications  
for Licenses for the use of Sealed Sources  
in Non-Portable Gauging Devices

RI:DRSS  
Thompson/pmb

9/ /88

OFFICIAL RECORD COPY

ML 525 THOMPSON - 0002.0.0  
09/08/88

ML 10



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
476 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406

17 AUG 1988

James River Corporation  
ATTN: Mark S. Lothian  
Radiation Safety Supv.  
P.O. Box 547  
Old Town, ME 04468

Docket No. 030-19999  
License No. 18-20623-01  
Control No. 109312

SUBJECT: LICENSE RENEWAL APPLICATION

Gentlemen:

This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

Any correspondence regarding the renewal application should reference the control number specified and your license number.

Sincerely,

Original Signed By:  
Doris J. Foster

John E. Glenn, Ph.D., Chief  
Nuclear Materials Safety Section B  
Division of Radiation Safety and  
Safeguards

"OFFICIAL RECORD COPY"

ML10.

030-19999



**JAMES RIVER CORPORATION**  
OLD TOWN MILL  
P.O. Box 547, Old Town, ME 04468

(207) 827-7711

26-July-88

U.S. Nuclear Regulatory Commission, Region I  
Nuclear Materials Safety Section B  
475 Allendale Road  
King of Prussia, PA 19406

RECEIVED

'88 AUG -8 AM 10:10

Gentlemen:

Our NRC license # 18-20623-01 is due to expire on 08/31/88 and we are enclosing the information required for renewal of this license. We have enclosed the renewal fee of \$120.00 as specified by 10 CFR 170.31 Category 1J for industrial measuring systems.

Please direct all questions concerning this license to Mark S. Lothian at the above telephone number.

Sincerely,

Mark S. Lothian  
Sr. Electrical Systems Engineer  
Radiation Safety Supervisor

Enclosures

- NRC 313 Item 5 Radioactive Material List
- NRC 313 Item 6 Purposes of Licensed Material
- NRC 313 Item 7 Radiation Safety Supervisor
- NRC 313 Item 8 Responsible Individuals

License Fee Information  
on Application.

"OFFICIAL RECORD COPY"

NRC313.LET

ML10

109312

27 JUL 1988

### APPLICATION FOR MATERIAL LICENSE

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WASHINGTON, DC 20565

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U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
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KING OF PRUSSIA, PA 19406

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ATLANTA, GA 30323

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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:

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U.S. NUCLEAR REGULATORY COMMISSION, REGION V  
NUCLEAR MATERIALS SAFETY SECTION  
1450 MARIA LANE, SUITE 210  
WALNUT CREEK, CA 94696

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 B. AMENDMENT TO LICENSE NUMBER \_\_\_\_\_  
 C. RENEWAL OF LICENSE NUMBER 18-20623-01

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

James River Corporation  
P.O. Box 547  
Old Town, ME 04468

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

James River Corporation Portland Street Old Town, Maine 04468	James River Corporation Penney Road Old Town, Maine 04468
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Mark S. Lothian

TELEPHONE NUMBER

827-7711 Ext. 203

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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. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

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

FEE CATEGORY 1J AMOUNT ENCLOSED \$ 120.00

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SIGNATURE—CERTIFYING OFFICER

*M. S. Lothian*

TYPED/PRINTED NAME

Mark S. Lothian

TITLE

Sr. Electrical Systems Eng  
Radiation Safety Supervisor

DATE

25-July-88

FOR NRC USE ONLY

TYPE OF FEE <u>REN</u>	FEE LOG <u>Aug 8<sup>2</sup></u>	FEE CATEGORY <u>3P</u>	COMMENTS	APPROVED BY <i>S. Kemler</i>
AMOUNT RECEIVED <u>120</u>	CHECK NUMBER <u>26331</u>		<u>109312</u>	DATE <u>8/11/88</u>

27 JUL 1988

PART OF  
APPLICATION FOR MATERIAL LICENSE  
NRC Form 313 Item 5 Radioactive Material  
NRC Form 313 Item 6 Purposes of Licensed Material

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Kayray	7050	1911	CS137	500	Liquor Prep	Density, Lime water from scrubber
Kayray	7050	2448	CS137	250	#4 Recovery	Density, Green Liquor from smelt tank
Kayray	7050	3200	CS137	200	Treatment Plant	Density, #2 Transfer pump sludge
Kayray	7050	3201	CS137	200	Treatment Plant	Density, #1 Primary clarifier sludge
Kayray	7050	3202	CS137	200	Treatment Plant	Density, #2 Primary clarifier sludge
Kayray	7050	3203	CS137	200	Treatment Plant	Density, #1 Transfer pump sludge
Kayray	7062E	3268	CS137	50	#2 Digester	Level, Chip Bin
Kayray	7062E	3269	CS137	100	Pulp Mill	Locked in storage area
Kayray	7063E	4104	CS137	500	#2 Digester	Level, Liquor
Kayray	7062E	4193	CS137	50	#2 Digester	Level, Chip chute high alarm
Kayray	7062	6475	CS137	50	Pulp Mill	Locked in storage area
Kayray	7062P	10954	CS137	100	Liquor Prep	Density, White liquor clarifier lime mud
Kayray	7062P	10955	CS137	100	Liquor Prep	Density, lime mud washer
Kayray	7063P	16127	CS137	200	Liquor Prep	Density, White liquor clarifier dregs
Ohmart	SHRM-PA	M-949	CS137	100	#1 Digester	Level, Chip chute high alarm
Accuray	U-7	K-1259-A	KR85	500	#2 Tissue Mach	Basis Weight
Accuray	U-7	K-1985-E	KR85	250	#1 Tissue Mach	Basis Weight

All devices are located on the main mill property near Jameson and Portland Streets except those at the Treatment Plant which is on Penney Road.

JAMES RIVER CORPORATION - OLD TOWN, MAINE  
Current License # 19-20623-01

PART OF  
APPLICATION FOR MATERIAL LICENSE  
NRC Form 313 Item 7 Radiation Safety Supervisor  
NRC Form 313 Item 8 Responsible Individuals

The below named individual has completed the INSTALLATION AND NUCLEAR RADIATION SAFETY course offered by Kay-Ray, Inc. during March 23-27, 1981.

Mark S. Lothian / Sr. Electrical Systems Engineer  
/ Radiation Safety Supervisor

Kay-Ray, Inc. is a manufacturer of gauging devices for the process industry and the instructor was John M. DiMartino. The curriculum consisted of the following items:

- 1/ Principles and practices of radiation protection
- 2/ Monitoring radiation levels using Geiger counters
- 3/ Radiation exposure limits
- 4/ Radiation area definitions
- 5/ Calculating radiation levels from known gamma source sizes and distances
- 6/ Calculating dose rates of typical installations
- 7/ Leak testing Kay-Ray source housings
- 8/ Safety practices required for the use and handling of Kay-Ray source housings
- 9/ Installation of source housings demonstration and hands-on installation

The below listed individuals have completed a Kay-Ray, Inc. course on the usage, operation and maintenance procedures of Kay-Ray gauges on April 5-7, 1977.

Joseph Joaquin / Instrumentation Technician  
Ronald Dupuis / Instrumentation Technician

JAMES RIVER CORPORATION - OLD TOWN, MAINE  
Current License # 18-20623-01



BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM  
AND  
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)  
INFORMATION FROM LTS

PROGRAM CODE: 03120  
STATUS CODE: 2  
FEE CATEGORY: 3P  
EXP. DATE: 19880831  
FEE COMMENTS:

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: JAMES RIVER CORP.  
RECEIVED DATE: 880727  
DOCKET NO: 3019999  
CONTROL NO.: 109312  
LICENSE NO.: 18-20623-01  
ACTION TYPE: RENEWAL

2. FEE ATTACHED

AMOUNT: \$120  
CHECK NO.: 26331

3. COMMENTS

SIGNED \_\_\_\_\_  
DATE 8/11/88

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1-1)

1. FEE CATEGORY AND AMOUNT: 3P \$120

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:  
AMENDMENT \_\_\_\_\_  
RENEWAL \_\_\_\_\_  
LICENSE \_\_\_\_\_

3. OTHER \_\_\_\_\_  
\_\_\_\_\_

SIGNED \_\_\_\_\_  
DATE 8/11/88