Wisconsin Electric POWER COMPANY
231 W. MICHIGAN, P.O. BOX 2046, MILWAUKEE, WI 53201

(414) 221-2345

Log Feb 9th III
Remitter
Check No. 669767
Amount $123
Fee Category 3P
Type of Fee Renewal
Check Rec'd. 2/3/89
Date Completed
By: CP

VPNPD-89-034
NRC-89-005

January 20, 1989

CERTIFIED MAIL

Dr. Bruce Mallett
Materials Licensing Section
U. S. NUCLEAR REGULATORY COMMISSION
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Gentlemen:

APPLICATION FOR LICENSE RENEWAL
BYPRODUCT MATERIAL LICENSE 48-16729-02
ENVIRONMENTAL LABORATORY GAS CHROMATOGRAPH SYSTEMS

In accordance with your notice dated November 1, 1988, regarding the expiration of our Specific Byproduct Material License 48-16729-01, we hereby apply for renewal. Attached is our license renewal application in duplicate.

A review of our current license has determined that two of the license conditions need to be amended. Condition 10 of the license specifies that the licensed material shall be used only at 520 North Second Street, Milwaukee, Wisconsin, or 333 West Everett Street, Milwaukee, Wisconsin. The permanent location for the chromatograph systems is now only at the 333 West Everett Street address. We hereby request that license Condition 10 be amended to read as follows:

> "License material shall be used only
> at the Public Service Building Annex,
> 333 West Everett Street, Milwaukee, Wisconsin."

Condition 12 of the license specifies that the licensed material shall be used by, or under the supervision of, Edward J. Lipke, R. S. Alberg, or other approved individuals. Wisconsin Electric no longer employs R. S. Alberg. We, therefore, hereby request that license Condition 12 be amended to read as follows:

Rec'd RTH
JAN 26 1989

> "Licensed material shall be used by, or under the supervision of, Edward J. Lipke, Ph.D (the Radiation Protection Officer) or other employees of Wisconsin Electric Power Company who have been approved as users by the Radiation Protection Officer, and have received the training described in Item 8 of application dated September 26, 1978."

We have reviewed the documents which we have submitted to you in the past and have found them to reflect our current program. The documents reviewed were:

1. Our original application dated September 25, 1978.

2. The license certificate dated November 1, 1978.

3. Our letter requesting an amendment dated June 2, 1981.

4. Amendment No. 01 dated July 30, 1981.

5. Our letter requesting renewal dated February 14, 1984.

6. The license certificate dated February 24, 1984.

7. Our letter requesting an amendment dated August 18, 1986.

8. Amendment No. 3 dated September 15, 1986.

Wisconsin Electric will continue to operate in accordance with these documents and applicable U. S. Nuclear Regulatory Commission regulations.

Since our current license will expire on February 28, 1989, we request that the attached renewal application be reviewed and approved prior to that date. Our check in the amount of $120 for a Category 3P renewal fee is enclosed in accordance with the provisions of 10 CFR 170. Please contact us if you have any questions or require additional information regarding our license renewal application.

Very truly yours,

C. W. Fay
Vice President
Nuclear Power

Enclosures (Check 669767)

NRC FORM 313
(10-87)
10 CFR 30, 32, 33, 34, 35 and 40

APPLICATION FOR MATERIAL LICENSE

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED BY OMB
3150-0120
Expires: 6-30-90

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
475 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
NUCEAR MATERIALS SAFETY 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. NUCLLAR 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)*

- [ ] A. NEW LICENSE
- [ ] B. AMENDMENT TO LICENSE NUMBER _____
- [X] C. RENEWAL OF LICENSE NUMBER 48-16729-02

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

Wisconsin Electric Power Company
231 West Michigan Street
Milwaukee, WI 53201

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

Wisconsin Electric Power Company
333 West Everett Street
Milwaukee, WI 53201

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION	TELEPHONE NUMBER
Edward J. Lipke	(414) 221-2018

SUBMIT ITEMS 5 THROUGH 11 ON 8½ 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. FACILITIES AND EQUIPMENT.	10. RADIATION SAFETY PROGRAM.
11. WASTE MANAGEMENT.	12. LICENSEE FEES *(See 10 CFR 170 and Section 170.31)* FEE CATEGORY 3P AMOUNT ENCLOSED $ 120.00

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
J. M. Kruse for C. W. Fay	C. W. Fay	Vice President-Nuclear Power	1/20/89

CONTROL NO. 86766

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS	APPROVED BY
			Rec'd KTT JAN 26 1989	
AMOUNT RECEIVED	CHECK NUMBER			DATE

Dunt 10/6

Wisconsin Electric POWER COMPANY
231 WEST MICHIGAN, MILWAUKEE, WISCONSIN 53201

September 25, 1978

CERTIFIED MAIL

Mr. Nathan Bassin
Materials Branch
Division of Materials and Fuel Cycle
Facility Licensing
U. S. NUCLEAR REGULATORY COMMISSION
Washington, D. C. 20555

Dear Mr. Bassin:

SPECIFIC BYPRODUCT MATERIAL LICENSE APPLICATION
GAS CHROMATOGRAPH: NICKEL-63

Enclosed is our application for a Specific Byproduct Material License filed in accordance with 10 CFR Part 30.

The requested license will provide for the possession and use of two detector cells, each containing a foil with 10 millicuries of Ni-63. The detectors are to be used for a Perkin-Elmer Sigma 2 Gas Chromatograph.

Also enclosed is the Category 3.L. application and license fee of $110.00 as required by 10 CFR Part 170.

NRC approval of this license application is requested.

Very truly yours,

Sol Burstein
Executive Vice President

Enclosures

RECEIVED BY LFMB
Date SEP 29 1978
Log SEPT Pg 9 New
By Broun
Orig. To
Action Taken 10/4/78

Applicant Wisconsin Electric Power
Check No. 40230 4
Amount/Fee 3L $110.
Appl
Date Check Rec'd 9/29/78
Broun

COPIES SENT TO OFF. OF INSPECTION AND ENFORCEMENT

Region

96629

Form AEC-313 (2-73) 10 CFR 30

UNITED STATES ATOMIC ENERGY COMMISSION

APPLICATION FOR BYPRODUCT MATERIAL LICENSE

Form approved Budget Bureau No. 38-R0027

INSTRUCTIONS.—Complete items 1 through 16 if this is an initial application or an application for renewal of a license. Information contained in previous applications filed with the Commission with respect to items 8 through 15 may be incorporated by reference provided references are clear and specific. Use supplemental sheets where necessary. Item 16 must be completed on all applications. Mail two copies to: U.S. Atomic Energy Commission, Washington, D.C., 20545, Attention: Materials Branch, Directorate of Licensing. Upon approval of this application, the applicant will receive an AEC Byproduct Material License. An AEC Byproduct Material License is issued in accordance with the general requirements contained in Title 10, Code of Federal Regulations, Part 30, and the Licensee is subject to Title 10, Code of Federal Regulations, Part 20, and the license fee provisions of Title 10, Code of Federal Regulations, Part 170. The license fee category should be stated in item 16 and the appropriate fee enclosed. (See Note in Instruction Sheet).

1. (a) NAME AND STREET ADDRESS OF APPLICANT. (Institution, firm, hospital person, etc. Include ZIP Code and telephone number.)

Wisconsin Electric Power Company
231 W. Michigan Street
Milwaukee, Wisconsin 53201

(b) STREET ADDRESS(ES) AT WHICH BYPRODUCT MATERIAL WILL BE USED. (If different from 1(a). Include ZIP Code.)

Wisconsin Electric Power Company
Engineering and Construction Building
520 N. Second Street
Milwaukee, Wisconsin 53201

2. DEPARTMENT TO USE BYPRODUCT MATERIAL

Quality Assurance and Technical Services

3. PREVIOUS LICENSE NUMBER(S). (If this is an application for renewal of a license, please indicate and give number.)

Company possesses current Byproduct Materials License Number 48-16729-01.

4. INDIVIDUAL USER(S). (Name and title of individual(s) who will use or directly supervise use of byproduct material. Give training and experience in items 8 and 9.)

(See attachment, item 4.)

5. RADIATION PROTECTION OFFICER. (Name of person designated as radiation protection officer if other than individual user. Attach resume of his training and experience as in Items 8 and 9.)

Edward J. Lipke, Ph.D.

6. (a) BYPRODUCT MATERIAL. (Elements and mass number of each.)

Ni-63

(b) CHEMICAL AND/OR PHYSICAL FORM AND MAXIMUM NUMBER OF MILLICURIES OF EACH CHEMICAL AND/OR PHYSICAL FORM THAT YOU WILL POSSESS AT ANY ONE TIME. (If sealed source(s), also state name of manufacturer, model number, number of sources and maximum activity per source.)

Deposited on gold or platinum foil, sealed in Detector Cell, Perkin-Elmer Part No. 330-0119.

Foil strength is 10 millicuries. No single detector contains more than 15 millicuries. No more than 2 detectors will be possessed at any one time.

Further information on foil manufacturers is provided on the attachment, item 6(b).

7. DESCRIBE PURPOSE FOR WHICH BYPRODUCT MATERIAL WILL BE USED. (If byproduct material is for "human use," supplement A (Form AEC-313a) must be completed in lieu of this item. If byproduct material is in the form of a sealed source, include the make and model number of the storage container and/or device in which the source will be stored and/or used.)

The sealed detector cell containing the Nickel-63 foil will be used in the Perkin-Elmer Model SIGMA 2 Gas Chromatograph with temperature protection circuitry which cuts off at 450°C.

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(Continued on reverse side)

TRAINING AND EXPERIENCE OF EACH INDIVIDUAL NAMED IN ITEM 4 (Use supplemental sheets if necessary)

8. TYPE OF TRAINING	WHERE TRAINED	DURATION OF TRAINING	ON THE JOB (Circle answer)	FORMAL COURSE (Circle answer)
a. Principles and practices of radiation protection	(See attachment, item 8.)		Yes No	Yes No
b. Radioactivity measurement standardization and monitoring techniques and instruments			Yes No	Yes No
c. Mathematics and calculations basic to the use and measurement of radioactivity			Yes No	Yes No
d. Biological effects of radiation			Yes No	Yes No

9. EXPERIENCE WITH RADIATION (Actual use of radioisotopes or equivalent experience)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
		(See attachment, item 9.)		

10. RADIATION DETECTION INSTRUMENTS (Use supplemental sheets if necessary)

TYPE OF INSTRUMENTS (Include make and model number of each)	NUMBER AVAILABLE	RADIATION DETECTED	SENSITIVITY RANGE (mr/hr)	WINDOW THICKNESS (mg/cm²)	USE (Monitoring, surveying, measuring)
None required with this analytical device.					

11. METHOD, FREQUENCY, AND STANDARDS USED IN CALIBRATING INSTRUMENTS LISTED ABOVE

None required with this analytical device.

12. FILM BADGES, DOSIMETERS, AND BIO-ASSAY PROCEDURES USED (For film badges, specify method of calibrating and processing, or name of supplier.)

None required with this analytical device.

INFORMATION TO BE SUBMITTED ON ADDITIONAL SHEETS IN DUPLICATE

13. FACILITIES AND EQUIPMENT. Describe laboratory facilities and remote handling equipment, storage containers, shielding, fume hoods, etc. Explanatory sketch of facility is attached. (Circle answer) Yes No (See attachment, item 13.)

14. RADIATION PROTECTION PROGRAM. Describe the radiation protection program including control measures. If application covers sealed sources, submit leak testing procedures where applicable, name, training, and experience of person to perform leak tests, and arrangements for performing initial radiation survey, servicing, maintenance and repair of the source. (See attachment, item 14.)

15. WASTE DISPOSAL. If a commercial waste disposal service is employed, specify name of company. Otherwise, submit detailed description of methods which will be used for disposing of radioactive wastes and estimates of the type and amount of activity involved. (See attachment, item 15.)

CERTIFICATE (This item must be completed by applicant)

16. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE APPLICANT NAMED IN ITEM 1, 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.

License Fee Category $ 3.L.

Fee Enclosed $ 110.00

Wisconsin Electric Power Company
Applicant named in item 1

By: Sol Burstein

Sol Burstein
Executive Vice President
Title of certifying official

Date 65 SEP 26 PM 3 59

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.

☆ U.S. GPO: 1973—543-126/515

ATTACHMENT TO BYPRODUCT MATERIAL LICENSE APPLICATION
(SUPPLEMENTAL INFORMATION FOR FORM 313)

Item 4.

Authorized users will consist of: (1) The Radiation Protection Officer named in item 5; (2) Mr. R. S. Alberg, Superintendent - Laboratory Services; and (3) other individuals who have been approved by the Radiation Protection Officer and who (a) are employees of Wisconsin Electric Power Company, and (b) have received the training described in item 8.

Item 6(b).

Additional information:

Foil manufacturers may be any of the following:

New England Nuclear Corporation
575 Albany
Boston, Massachusetts
Foil Model NER-002

Nuclear Radiation Development Corporation
2937 Alt Blvd.
Grand Island, New York 14070
Foil Model N1001

Amersham/Searle Corporation
2637 S. Clearbrook Dr.
Arlington Heights, Illinois
Foil Model N.B.C. 7020

Item 8.

Training:

A. Educational background of the Radiation Protection Officer (Edward J. Lipke) is as follows:

B.S., 1964, Biology, University of Detroit
M.S., 1965, Radiological Health, Wayne State University
M.S., 1967, Environmental Health Sciences (Radiological Health), University of Michigan
Ph.D., 1971, Environmental Health Sciences (Radiological Health), University of Michigan

This totals approximately seven years of formal training in a) principals 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, and e) other related science and engineering areas.

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Experience included the following:

~2 weeks as summer student at Fermi I;
~2 months as summer student at Battelle - Northwest (Hanford)
~2 years as Radiological Engineer at Vallecitos Nuclear Center (General Electric)
~1-1/2 years as Senior Scientist at Bettis Atomic Power Laboratory (Westinghouse)
~4 years to present as Project Engineer (Nuclear Plant) at Wisconsin Electric Power Company, Nuclear Projects Office

B. Mr. R. S. Alberg holds a B.S. degree in Chemistry. He has been with Wisconsin Electric Power Company for 10 years, with primary responsibilities in various areas of chemistry. For the past 5 years he has held the position of Superintendent - Laboratory Services. Except for some work involving small quantities of uranium while previously employed with the 3M Company, Mr. Alberg has not had previous experience with radioactive materials. He will satisfy the requirements outlined in D., below, before commencing utilization of the chromatograph.

C. Other individuals will be approved as individual users provided they satisfy the following conditions:

1. They have satisfied the instructional requirements of D., below; and
2. They are employees of Wisconsin Electric Power Company; and
3. They have been approved by the Radiation Protection Officer.

The Radiation Protection Officer will maintain a list of currently approved users. The list will be reviewed and updated from time to time, and a copy of the current list will be provided to the Superintendent - Laboratory Services.

D. Individual users approved in accordance with C., above shall, as a minimum, satisfy the following instructional requirements:

1. Read 10 CFR Parts 19 and 20; and
2. Read the instruction manual for the chromatograph with the manufacturer's recommendations; in particular, each user shall study and adhere to the operating and safety instructions therein; and
3. Receive approximately 20 minutes of instruction from the Radiation Protection Officer. This instruction will address in particular the nature of leak testing, the radiological characteristics and consequences of Ni-63, and emergency procedures. The Radiation Protection Officer will also determine whether the two items above have been completed.

Item 9.

EXPERIENCE WITH RADIATION

A. Edward J. Lipke has had the following experience with radioisotopes:

Isotope	Max. Amt.	Location	Duration	Use
Co-60	10,000 Ci	U. of Michigan	5 years	Irradiation
Cs-137	~5 Ci	Bettis Atomic Power Lab	1-1/2 years	Irradiation and calibration
I-131	~100 mCi	U. of Michigan	5 years	Absorption studies
Fe-59	~100 mCi	U. of Michigan	5 years	Bioaccumulation studies
Cs-137	~100 mCi	U. of Michigan	5 years	Bioaccumulation studies
Zn-65	~100 mCi	U. of Michigan	5 years	Bioaccumulation studies
Ce-144	~100 mCi	U. of Michigan	5 years	Bioaccumulation studies
Xe-133	~10 mCi	Vallecitos Nuclear Center	2 years	Calibration
Kr-85	~10 mCi	Vallecitos Nuclear Center	2 years	Calibration
Misc. activation products	~10 mCi	U. of Michigan	5 years	Activation Analysis

Extensive experience at Michigan, Bettis, Vallecitos, and Point Beach Nuclear Plant with a variety of small sources including Sr-90, Pu-239, U-233, Th-232, and Cf-252.

Extensive experience in contamination control of mixed fission products and alpha emitters at Battelle-Northwest, Bettis, Vallecitos, Point Beach Nuclear Plant (PWR) and several BWR nuclear power plants.

Experience with sealed sources as follows:

(a) Leak testing and use of Radium-226 needles, Wayne State University (Detroit).

(b) Leak testing, calibration, and survey of Cobalt-60 teletherapy units at hospitals affiliated with Wayne State University.

(c) Leak testing, calibration, survey, and use of 10,000 Ci Cobalt-60 source for irradiation at University of Michigan.

(d) Leak testing, calibration, survey, shielding, and radiological procedures for 5 Ci Cobalt-60 and Cs-137 beam projector used for calibrations at Bettis Atomic Power Laboratory.

(e) Leak testing, health physics aspects, licensing, and use of a 2.5 Ci Cobalt-60 capsule at Point Beach Nuclear Plant.

(f) Leak testing, licensing, and application of 100 mCi Cs-137 sealed sources for fly-ash level detection at Oak Creek Power Plant.

B. The individual users approved in accordance with Item #4 of this application generally have no prior experience with radioactive materials. They receive instruction as described in Item #8 of this application.

Item 13.

Facilities

Available facilities and equipment are those typical of most analytical chemistry laboratories.

Item 14.

Radiation Protection Program

A. Routine

Since the Ni-63 is a weak beta emitter and is internal to the chromatograph, no special radiological procedures are necessary. No external dose results from this application, and personnel monitoring devices are not required. To ensure the integrity of the source, users shall adhere to the manufacturer's operating manual at all times.

B. Leak tests will be performed at six month intervals according to the procedures set forth in the manufacturer's instruction manual. The leak test smear will be sent to one of the following for analysis:

Nuclear Sources and Services, Inc.
5711 Ethridge Street
Houston, Texas 77017

Nuclear Radiation Development Corporation
2937 Alt Blvd.
Grand Island, New York 14070

Eberline Instrument Corporation
Midwestern Facility
245 Roosevelt Road
West Chicago, Illinois 60185

The leak test sample labels will include the following information:

(1) Perkin-Elmer Detector Cell, Part No. 330-0119.
(2) Serial No., if available.
(3) 10 mCi Ni-63 source.
(4) Name of individual performing test.
(5) Date of test.

Records of leak test results will be maintained indefinitely.

The Radiation Protection Officer will be notified of any leak test results in excess of 0.005 μCi and will arrange for packaging and transportation of potentially leaking source to manufacturer, to Nuclear Sources and Services, Inc., to Nuclear Radiation Development Corp., or to a licensed disposal site.

C. Cell cleaning or replacement of the foil will be performed by Nuclear Sources and Services, Inc., or by Nuclear Radiation Development Corp.

D. Emergency Procedures

1. This procedure applies in instances where damage to the detector cell and foil has occurred, e.g., by fire, explosion, or impact.

2. Immediately evacuate and isolate the laboratory. Turn off air conditioning system supplying the area.

3. Inform the Radiation Protection Officer:

   Edward J. Lipke
   Wisconsin Electric Power Company
   Nuclear Projects Office
   Milwaukee Office Extension 2018
   Direct dial from outside company: (414)-277-2018
   Home phone: (414)-377-9267

4. If the Radiation Protection Officer is unavailable, the Nuclear Projects Office can contact other qualified health physics personnel within the company.

5. Follow any instructions given by the Radiation Protection Officer.

6. Limit access to affected area until Radiation Protection Officer or other qualified health physics personnel arrive.

7. Instruct any fire fighting personnel to utilize self-contained breathing apparatus or other independent source of supplied air if entrance to laboratory is necessary.

8. Inform the regional NRC Office by phone or telegram. Inform the NRC whether the Radiation Protection Officer has been notified, whether the area has been secured, and that the source is 10 millicuries of Ni-63.

   U. S. NUCLEAR REGULATORY COMMISSION
   Region III, Office of Inspection and Enforcement
   799 Roosevelt Road
   Glen Ellyn, Illinois 60137
   (312)-858-2660

Item 15.

Waste Disposal

In the event disposal is desired or necessary, the detector cell will be sent to Nuclear Sources and Services, Inc., to Nuclear Radiation Development Corp., or to a licensed burial site.

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