

MATERIALS LICENSE

Amendment No. 1

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below, to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		In accordance with letters dated 2/7/92, 3/9/92 and 12/3/92	
1. Department of the Interior Alaska Fish and Wildlife Research Center		3. License number 50-29001-01 is amended in its entirety to read as follows:	
2. 1011 East Tudor Road Anchorage, AK 99503		4. Expiration date	October 31, 1994
		5. Docket or Reference No.	030-31304
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license	
A. Phosphorus 32	A. Any	A. 1 millicurie	
B. Sulfur 35	B. Any	B. 1 millicurie	
9. Authorized use			
A. and B. To be used for molecular genetics laboratory analyses.			
10. Licensed material shall be used only at the licensee's laboratory located at 1011 East Tudor Road, Anchorage, Alaska.			
11. Licensed material shall be used by, or under the supervision of, Matthew A. Cronin.			
12. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material".			
13. Laboratory areas where greater than 200 microcuries of licensed material are used at any one time will be surveyed to measure radiation and contamination levels at intervals not to exceed seven calendar days. All other areas will be surveyed at intervals not to exceed 30 calendar days. Areas will be cleaned if the contamination level exceeds 200 disintegrations per minute per 100 square centimeters. Records of these surveys shall be maintained at the licensee's facility for inspection purposes.			

130087

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number 50-29001-01

Docket or Reference number 030-31304

Amendment No. 1

(continued)

14. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Applicated dated August 29, 1989
- B. Letter dated October 23, 1989
- C. Letter dated March 9, 1992
- D. Letter dated December 3, 1992



FOR THE U. S. NUCLEAR REGULATORY COMMISSION

Date DEC 18 1992

By:

Beth A. Prange
Beth A. Prange
Sr. Health Physicist (Licensing)
Radioactive Materials Safety Branch
Region V

DEC 18 1992

Docket No. : 030-31304
License No.: 50-29001-01
Control No.: 571563

Department of the Interior
Alaska Fish and Wildlife Research Center
1011 East Tudor Road
Anchorage, AK 99503

Attention: A. W. Palmisano
Center Director

Enclosed is the NRC license amendment which you requested.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify us so that we can provide appropriate corrections and answers.

Any future correspondence relating to your license should specifically reference your license and docket numbers to expedite your inquiry.

Sincerely,

Beth A. Prange
Sr. Health Physicist (Licensing)
Radioactive Materials Safety Branch

Enclosure: Attachment A
Amendment No. 1 to License No. 50-29001-01

Distribution

bcc w/original concurrence, copy of license and original correspondence:
License docket folder

bcc w/copy of license and correspondence:
Inspection folder

bcc w/copy of license:
Reading file

bcc w/correspondence and 2 copies of license:
Shirley Crutchfield, LFMB, MNBB 4503

License only:
State of AK

KPrendergast
/ /

JMontgomery
/ /

DSkov
/ /

BP
BPrange
12/18/92

REQUEST COPY	REQUEST COPY	REQUEST COPY	REQUEST COPY
YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>



IN REPLY REFER TO:

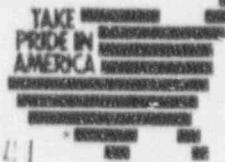
United States Department of the Interior

ALASKA FISH AND WILDLIFE RESEARCH CENTER

Fish and Wildlife Service

1011 E. Tudor Rd.

Anchorage, Alaska 99503



MBR:MMF/WJS

December 3, 1992

Ms. Beth A. Prange
Nuclear Materials and Fuel Fabrication Branch
Nuclear Regulatory Commission, Region V
1450 Maria Lane
Walnut Creek, California 94596-5368

Dear Ms. Prange:

This is in response to your request for additional information in your letter of September 30, 1992, mail control number 571563 (reference Enclosure 1 of this letter).

Dr. Cronin has agreed to the conditions of availability and commitment stated in Enclosure 2 of this letter.

Dr. Cronin is in an official volunteer status as a member of the research center staff.

Dr. Cronin's status as volunteer does not change his authority or responsibilities in administering and managing the site radiation safety program. Dr. Cronin has unlimited access to the laboratory. The laboratory facility will be under the control of W. Spearman, Research Geneticist, and W. Seitz, Assistant Director, in Dr. Cronin's absence.

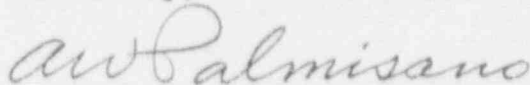
If Dr. Cronin's availability changes or if any of our other commitments change, we will notify the Nuclear Regulatory Commission in writing with a license amendment request.

Please note that we have not used radioactive material in the laboratory since March 1992. The radioactive waste that we have on-site has decayed and will be disposed of in accordance with our permit. We have no plans to use radioactive isotopes until March 1993, when our new geneticist, Dr. K. Scribner, comes on board. At that time, Radiation Safety Officer responsibilities will be transferred from Dr. Cronin to Dr. Scribner.

571563

If I can be of further help, please contact me.

Sincerely,

A handwritten signature in cursive script, reading "A. W. Palmisano".

A. W. Palmisano
Center Director

- Enclosure 1. Letter, NRC mail control number 571563
Enclosure 2. Statement of commitment and availability for
performing RSO duties.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION V

1450 MARIA LANE
WALNUT CREEK, CALIFORNIA 94596-5368

SEP 30 1992

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Docket No.: 030-31304
License No.: 50-29001-01
Control No.: 571563

Department of the Interior
Alaska Fish and Wildlife Research Center
1011 East Tudor Road
Anchorage, Alaska 99503

Attention: Walter Steiglitz
Director

This is in reference to a request originally submitted in a letter dated February 7, 1992 and subsequently revised in a letter dated March 9, 1992. Copies are enclosed. These letters requested that Matthew Cronin be recognized as a volunteer Radiation Safety Officer (RSO) until a new geneticist/RSO can be hired. After reviewing this request and consulting with our headquarters staff, we have found that additional information is needed:

1. Submit a commitment from Dr. Cronin of the number of hours each week during which he will be on-site to perform his duties as RSO. Also, he should submit a statement that he will be sufficiently available to respond to questions and operational issues on an as needed or emergency basis.
2. Describe how management will verify that Dr. Cronin will have the authority to properly maintain and effectively manage the radiation safety program. Also, specify how you will assure that adequate control will be maintained of the facility in Dr. Cronin's absence.
3. You should state that if Dr. Cronin's availability changes or if any of your other commitments change, you will notify us in writing in the form of a license amendment request.

It should be noted that it is management's responsibility to ensure that the radiation safety program is conducted in accordance with approved procedures and regulatory requirements. Use of a temporary RSO does not relieve you of the responsibility of ensuring the safe use of the byproduct materials authorized by your license.

We will continue the review of your amendment request upon receipt of this information. ~~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. Please reply in duplicate and refer to Mail Control No. 571563.~~

Sincerely,

Beth A. Prange

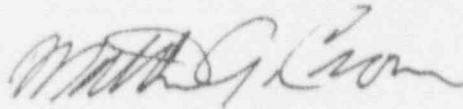
Beth A. Prange
Sr. Health Physicist (Licensing)
Nuclear Materials and
Fuel Fabrication Branch

Enclosure: Letters dated February 7, 1992
and March 9, 1992

Enclosure 2. Statement of commitment and availability for performing RSO duties.

I will conduct one on-site inspection per week of the laboratory facilities licensed under NRC license number 50-29001-01, until my RSO duties are transferred to another qualified individual. I will report the results of weekly inspections to the director of the research center.

I will be available for non-routine inspections, to address questions and operational issues, and for emergencies when I am in Anchorage. When I am out of town, I can be contacted by telephone. I understand that W. Seitz and W. Spearman will provide on-site physical presences as required to address NRC issues if I am not immediately available.



Matthew A. Cronin
Radiation Safety Officer

RFB

SEP 30 1992

Docket No.: 030-31304
License No.: 50-29001-01
Control No.: 571563

Department of the Interior
Alaska Fish and Wildlife Research Center
1011 East Tudor Road
Anchorage, Alaska 99503

Attention: Walter Steiglitz
Director

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Sincerely,

Beth A. Prange
Sr. Health Physicist (Licensing)
Nuclear Materials and
Fuel Fabrication Branch

Enclosure: Letters dated February 7, 1992
and March 9, 1992

Distribution

bcc w/original concurrence, copy of license and original correspondence:

License docket folder

bcc w/copy of license and correspondence:

Inspection folder

bcc w/copy of license:

Reading file

bcc w/correspondence and 2 copies of license:

Marnella Rodriguez, LFMB, MNBB 4503

License only:

State of Alaska

KPrendergast

JMontgomery

DSkov

^{BP}
BPrange

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9/30/92

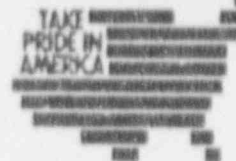
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YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>



RECEIVED
NRC
REGION V

United States Department of the Interior

1992 FEB 10 AM 10:24



IN REPLY REFER TO:

AFWRC

ALASKA FISH AND WILDLIFE RESEARCH CENTER
FISH AND WILDLIFE SERVICE
1011 E. TUDOR RD.
ANCHORAGE, ALASKA 99503

February 7, 1992

030-31304

Mr. R. D. Thomas, Chief
Nuclear Regulatory Commission
Nuclear Materials Safety Section
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596-5368

Dear Mr. Thomas:

I am writing about our materials license, number 50-29001-01. I am currently the radiation safety officer for this license. I am leaving the Fish and Wildlife Service for a job in the private sector, but I will remain in Anchorage.

I will be replaced at an unknown time, perhaps as soon as 6 months from now. It may be desirable to maintain the materials license, depending on the new person's preference for radioactive or nonradioactive molecular biology methods.

We would like to maintain our current license and replace me with Dr. R. Wilmot as radiation safety officer until my replacement is hired. Dr. Wilmot has experience working with radioactive materials (see enclosure) and is familiar with the operations in the Fish and Wildlife Service lab. No new radioactive material will be obtained or work with any radioactive materials will be done in the time period from my leaving government service and my replacement being on scene. Only radioactive waste will be kept on the premises in accordance with the license. This will be primarily P^{32} and a small amount of S^{35} . All of this waste will be decayed to the point where it can be disposed of by August 1992. I will be working for a contractor which has active genetics research contracts with this office, and thus will have frequent contact with Dr. Wilmot. Mr. W. Spearman has been trained to work with these radioactive materials, works in the Fish and Wildlife Service lab, and can assist Dr. Wilmot in the supervision of the waste materials.

We will be happy to comply with your suggestions regarding this matter.

Sincerely,

Matthew A. Cronin
Matthew A. Cronin
Research Geneticist

Enclosure

FEE EXEMPT

571563

Qualifications of Dr. Richard Wilmot

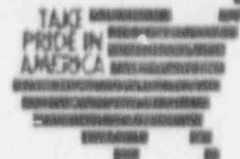
Dr. Wilmot received his PhD in genetics from Oregon State University in 1973. He has worked in the field of molecular genetics since then. From 1970-1974 his research involved the use of radioactive materials (P^{32}) for labeling of DNA. His training was provided by Dr. Ray Simon, Oregon State University (retired).



IN REPLY REFER TO

RECEIVED
NRC
REGION V
United States Department of the Interior

672 MAR 17 AM 11:13
ALASKA FISH AND WILDLIFE RESEARCH CENTER
FISH AND WILDLIFE SERVICE
1011 E. TUDOR RD.
ANCHORAGE, ALASKA 99503



March 9, 1992

Bob Pate, Materials Branch Chief
Nuclear Regulatory Commission
Nuclear Materials Safety Section
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596-5368

Dear Mr. Pate:

As I told you in our phone conversation 2 March, I have left my position as research geneticist at the U.S. Fish and Wildlife Service Alaska Research Center. I have committed to remain radiation safety officer for the Research Center until a new geneticist is hired. I have established volunteer employee status which gives me full access to the lab facilities. I will be working in the lab several times a week. Mr. William Spearman, who has been trained in radiation safety and works in the lab, will supervise and control access on a daily basis.

Although I indicated in our phone conversation that we would not require using more radiation, that is not the case. Considering my volunteer status, we would like to maintain our materials license, including the ability to use p¹⁴.

We will appoint my replacement as radiation safety officer when he/she is hired. Please let me know if these arrangements are acceptable.

Thank you for your consideration.

Matthew A. Cronin
Volunteer Research Geneticist

Enclosures: 1. Letter to NRC of 7 February 1992
2. Cronin Volunteer Agreement

571563

RECEIVED
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REGION IV

VOLUNTEER SERVICES AGREEMENT
between
The U.S. Fish and Wildlife Service
Department of the Interior
and

1992 MAR 17 AM 11:13

MATT CRONIN

(Name of Individual, Group or Educational Institution)

Address: 8415 JUPITER DR
ANCHORAGE AK 99507 Phone: 346 3916
Date of Birth: 11/19/54 Social Security Number: 097 48 9264

RESPONSIBILITIES

The volunteer and the Service will cooperate in the completion of projects at the location, within the timeframe, and in accordance with the criteria specified below and in the attached volunteer job description. Volunteer conduct will be governed by the Department of the Interior Regulations Governing Responsibilities and Conduct. The Service will provide appropriate supervision, training and equipment for the volunteer for the completion of work assignments.

Service Unit and Location: Alaska Fish & Wildlife Research Center, Anchorage

Supervisor: JOHN V. DEKSEN

Dates of volunteer service: from 2/9/92 to 8/1/92

*Specific training: N/A

*Reimbursable Expenses: N/A

(*If not applicable, indicate N/A)

The volunteer (will/will not) will be required to supply his/her own transportation while performing assigned volunteer services.

The Government (will/will not) will not supply housing.

SPECIAL PROVISIONS

Text Claims. For the purposes of the tort claim provisions in Title 28 of the U.S. Code, volunteers covered by this Agreement are considered to be federal employees.

Injury Compensation. For the purpose of Subchapter I of Chapter 81 of Title 5 of the U.S. Code, volunteers covered by this Agreement are considered to be employees of the United States in terms of eligibility for compensation due to work related injuries.

Prohibited Activities. volunteers will not be assigned active law enforcement duties or other duties restricted by permit or Service regulations or standards.

It is understood that volunteers are NOT considered to be Federal employees for any purposes other than tort claims and injury compensation. Volunteer service is not creditable for leave accrual or any other employee benefits.

TERMINATION

This Agreement may be terminated by mutual agreement or by either party provided at least five working days notice is given.

APPROVED:

Matthew G. Cronin Date: 2/10/92
(Individual volunteer or Group Representative)
[Signature] Date: 2/12/92
(Educational Institution Representative) (if applicable)

(Volunteer Coordinator or Supervisor) Date: _____

Date of termination of volunteer service: _____

_____ Check here if an evaluation of volunteer work is desired.

PLEASE IDENTIFY ANY PHYSICAL OR MEDICAL CONDITION (INCLUDING ALLERGIES AND MEDICATION YOU ARE TAKING) WHICH MIGHT EFFECT YOUR PERFORMANCE OR WHICH SHOULD BE BROUGHT TO THE ATTENTION OF THE FISH AND WILDLIFE SERVICE TO ENABLE THEM TO TREAT YOU IN AN EMERGENCY SITUATION. DISCLOSURE OF THIS INFORMATION WILL NOT DISQUALIFY YOU FROM VOLUNTEER SERVICE (e.g., are you a diabetic or epileptic; are you allergic to insect bites, chemicals, poison ivy, other?)

Name of person to contact in case of emergency: Victoria G. Cronin

Address: 9415 Jupiter Drive

ANCHORAGE ALASKA 99507

Telephone (including area code): 907 346 3916 home _____

Relation to you (e.g., mother, father, friend): WIFE

VOLUNTEER SERVICES AGREEMENT
between
The U.S. Fish and Wildlife Service
Department of the Interior and

Matthew Cronin

RESPONSIBILITIES

- ° Serve as the Center radiation safety officer until the vacant geneticist position is filled.
- ° Extract and test mtDNA from tissues of pintails, geese, caribou, bears, and other animals as part of on-going Center research.
- ° Complete various manuscripts in cooperation with Center staff and others.
- ° Provide advice to Center staff regarding mtDNA research initiatives and results.



UNITED STATES
NUCLEAR REGULATORY COMMISSION REGION V
WASHINGTON, D.C. 20555

RECEIVED
NRC

1992 JUN -4 AM 10:42

JUN 02 1992

MEMORANDUM FOR: Robert J. Pate, Chief
Nuclear Materials and Fuel Fabrication Branch, RV

FROM: John E. Glenn, Chief
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

SUBJECT: TECHNICAL ASSISTANCE REQUEST: LICENSE
AMENDMENT REQUEST FROM DEPARTMENT OF INTERIOR,
ANCHORAGE, ALASKA: CONTROL NUMBER 571563

This memorandum responds to the technical assistance request dated April 15, 1992, from Region V, (enclosed) concerning an amendment request from an NRC licensee who wishes a former employee to remain in his position as Radiation Safety Officer (RSO), in a volunteer status, until a new RSO is hired.

Qualified persons may be authorized to act as a temporary RSO provided that the individual commits to a specific amount of time on-site during which he will be available to perform his duties as RSO and that he will be sufficiently available to respond to questions and operational issues on an as needed or emergency basis. The licensee must verify that the temporary RSO will have the authority to properly maintain and effectively manage the radiation safety program for the licensee and that in his absence, adequate control will be maintained of the facility.

The licensee must agree to the above as a license commitment which will be amended if the conditions of time on-site, availability and control change from those described.

The commitment of time and the level of authority necessary for a temporary Radiation Safety Officer to adequately maintain and manage a radiation safety program must be determined and approved on a case-by-case basis by the licensing reviewer. However, the licensee should be aware that it is the responsibility of the licensee, through the RSO, to ensure that the radiation safety activities are performed in accordance with approved procedures and regulatory requirements; and that the use of a temporary RSO does not in any way relieve the licensee of the responsibility of ensuring the safe use of byproduct material.

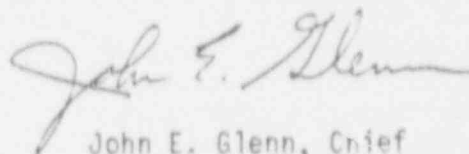
571563

JUN 02 1992

Mr. Robert J. Pate

- 2 -

If you have any questions, please feel free to contact Susan L. Greene of this staff at FTS (301) 504-2686.



John E. Glenn, Chief
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

Enclosure:
Memo dtd 04/15/92
fm R. Pate, RV



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION V

1450 MARIA LANE, SUITE 210
WALNUT CREEK, CALIFORNIA 94596-5388

APR 15 1992

MEMORANDUM FOR: John E. Glenn, Chief
Medical, Academic, and Commercial
Use Safety Branch, NMSS

FROM: Robert J. Pate, Chief
Nuclear Materials and
Fuel Fabrication Branch

SUBJECT: TECHNICAL ASSISTANCE REQUEST: LICENSE AMENDMENT REQUEST
FROM DEPARTMENT OF INTERIOR, ANCHORAGE, ALASKA: CONTROL
NUMBER 571563

On February 10, 1992, we received the enclosed amendment request for a change in radiation safety officers (RSOs) which was later revised in the letter dated March 9, 1992, which is also enclosed. The revision requested that the former RSO remain in his position in a volunteer status until a new geneticist is hired.

A copy of License 50-29001-01 and a Request for Technical Assistance are also enclosed.

The last inspection of this license was conducted on May 22, 1990. A clear 591 was issued as a result of the inspection. It was noted in the report that this license was a one-man operation.

We are not certain whether the terms of the Volunteer Services Agreement submitted with the letter dated March 9, 1992 are adequate. Please advise us of the current policy.


Robert J. Pate, Chief
Nuclear Materials and
Fuel Fabrication Branch

Enclosures: Letters dated February 7, 1992 and March 9, 1992
Request for Technical Assistance
License No. 50-29001-01



IN REPLY REFER TO

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ARC
REGION V
United States Department of the Interior
1992 MAR 17 AM 11:13
ALASKA FISH AND WILDLIFE RESEARCH CENTER
FISH AND WILDLIFE SERVICE
1011 E. TUDOR RD.
ANCHORAGE, ALASKA 99503



March 9, 1992

Bob Pate, Materials Branch Chief
Nuclear Regulatory Commission
Nuclear Materials Safety Section
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596-5368

Dear Mr. Pate:

As I told you in our phone conversation 2 March, I have left my position as research geneticist at the U.S. Fish and Wildlife Service Alaska Research Center. I have committed to remain radiation safety officer for the Research Center until a new geneticist is hired. I have established volunteer employee status which gives me full access to the lab facilities. I will be working in the lab several times a week. Mr. William Spearman, who has been trained in radiation safety and works in the lab, will supervise and control access on a daily basis.

Although I indicated in our phone conversation that we would not require using more radiation, that is not the case. Considering my volunteer status, we would like to maintain our materials license, including the ability to use P^{32} .

We will appoint my replacement as radiation safety officer when he/she is hired. Please let me know if these arrangements are acceptable.

Thank you for your consideration.

Matthew A. Cronin
Volunteer Research Geneticist

Enclosures: 1. Letter to NRC of 7 February 1992
2. Cronin Volunteer Agreement

571563



IN REPLY REFER TO:

AFWRC

RECEIVED
NRC
REGION V
1992 MAR 17 AM 11:13

United States Department of the Interior

ALASKA FISH AND WILDLIFE RESEARCH CENTER

FISH AND WILDLIFE SERVICE

1011 E. TUDOR RD.

ANCHORAGE, ALASKA 99503

February 7, 1992

Mr. R. D. Thomas, Chief
Nuclear Regulatory Commission
Nuclear Materials Safety Section
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596-5368

Dear Mr. Thomas:

I am writing about our materials license, number 50-29001-01. I am currently the radiation safety officer for this license. I am leaving the Fish and Wildlife Service for a job in the private sector, but I will remain in Anchorage.

I will be replaced at an unknown time, perhaps as soon as 6 months from now. It may be desirable to maintain the materials license, depending on the new person's preference for radioactive or nonradioactive molecular biology methods.

We would like to maintain our current license and replace me with Dr. R. Wilmot as radiation safety officer until my replacement is hired. Dr. Wilmot has experience working with radioactive materials (see enclosure) and is familiar with the operations in the Fish and Wildlife Service lab. No new radioactive material will be obtained or work with any radioactive materials will be done in the time period from my leaving government service and my replacement being on scene. Only radioactive waste will be kept on the premises in accordance with the license. This will be primarily P³² and a small amount of S³⁵. All of this waste will be decayed to the point where it can be disposed of by August 1992. I will be working for a contractor which has active genetics research contracts with this office, and thus will have frequent contact with Dr. Wilmot. Mr. W. Spearman has been trained to work with these radioactive materials, works in the Fish and Wildlife Service lab, and can assist Dr. Wilmot in the supervision of the waste materials.

We will be happy to comply with your suggestions regarding this matter.

Sincerely,

Matthew A. Cronin
Research Geneticist

RECEIVED
NRC
REGION V

VOLUNTEER SERVICES AGREEMENT
between
The U.S. Fish and Wildlife Service
Department of the Interior
and

1992 MAR 17 AM 11:13

MATT CRONIN

(Name of Individual, Group or Educational Institution)

Address: 8415 Jupiter Dr

ANCHORAGE AK 99507

Phone: 346 3916

Date of Birth: 11/19/54

Social Security Number: 097 48 9264

RESPONSIBILITIES

The volunteer and the Service will cooperate in the completion of projects at the location, within the timeframe, and in accordance with the criteria specified below and in the attached volunteer job description. Volunteer conduct will be governed by the Department of the Interior Regulations Governing Responsibilities and Conduct. The Service will provide appropriate supervision, training and equipment for the volunteer for the completion of work assignments.

Service Unit and Location: Alaska Fish & Wildlife Research Center, Anchorage

Supervisor: DIRK V. DETIKSEN

Dates of volunteer service: from 2/9/92 to 8/1/92

*Specific training: N/A

*Reimbursable Expenses: N/A

(*If not applicable, indicate N/A)

The volunteer (will/will not) will be required to supply his/her own transportation while performing assigned volunteer services.

The Government (will/will not) will not supply housing.

SPECIAL PROVISIONS

Tort Claims. For the purposes of the tort claim provisions in Title 28 of the U.S. Code, volunteers covered by this Agreement are considered to be Federal employees.

Injury Compensation. for the purpose of Subchapter I of Chapter 81 of Title 5 of the U.S. Code, volunteers covered by this Agreement are considered to be employees of the United States in terms of eligibility for compensation due to work related injuries.

VOLUNTEER SERVICES AGREEMENT
between
The U.S. Fish and Wildlife Service
Department of the Interior and

Matthew Cronin

RESPONSIBILITIES

- ° Serve as the Center radiation safety officer until the vacant geneticist position is filled.
- ° Extract and test mtDNA from tissues of pintails, geese, caribou, bears, and other animals as part of on-going Center research.
- ° Complete various manuscripts in cooperation with Center staff and others.
- ° Provide advice to Center staff regarding mtDNA research initiatives and results.



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1992 FEB 10 AM 10:24

United States Department of the Interior

ALASKA FISH AND WILDLIFE RESEARCH CENTER
FISH AND WILDLIFE SERVICE
1011 E. TUDOR RD.
ANCHORAGE, ALASKA 99503

IN REPLY REFER TO:

AFWRC

February 7, 1992

030-31304

Mr. R. D. Thomas, Chief
Nuclear Regulatory Commission
Nuclear Materials Safety Section
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596-5368

Dear Mr. Thomas:

I am writing about our materials license, number 50-29001-01. I am currently the radiation safety officer for this license. I am leaving the Fish and Wildlife Service for a job in the private sector, but I will remain in Anchorage.

I will be replaced at an unknown time, perhaps as soon as 6 months from now. It may be desirable to maintain the materials license, depending on the new person's preference for radioactive or nonradioactive molecular biology methods.

We would like to maintain our current license and replace me with Dr. R. Wilmot as radiation safety officer until my replacement is hired. Dr. Wilmot has experience working with radioactive materials (see enclosure) and is familiar with the operations in the Fish and Wildlife Service lab. No new radioactive material will be obtained or work with any radioactive materials will be done in the time period from my leaving government service and my replacement being on scene. Only radioactive waste will be kept on the premises in accordance with the license. This will be primarily P^{32} and a small amount of S^{35} . All of this waste will be decayed to the point where it can be disposed of by August 1992. I will be working for a contractor which has active genetics research contracts with this office, and thus will have frequent contact with Dr. Wilmot. Mr. W. Spearman has been trained to work with these radioactive materials, works in the Fish and Wildlife Service lab, and can assist Dr. Wilmot in the supervision of the waste materials.

We will be happy to comply with your suggestions regarding this matter.

Sincerely,

Matthew A. Cronin
Research Geneticist

Enclosure

Amendment



571563

Qualifications of Dr. Richard Wilmot

Dr. Wilmot received his PhD in genetics from Oregon State University in 1973. He has worked in the field of molecular genetics since then. From 1970-1974 his research involved the use of radioactive materials (P^{32}) for labeling of DNA. His training was provided by Dr. Ray Simon, Oregon State University (retired).

REQUEST FOR TECHNICAL ASSISTANCE

DATE: 4/13/92

TO: John E. Glenn, Chief, Medical, Academic, and Commercial
Use Safety Branch, NMSS

FROM: Robert J. Pate, Chief, Nuclear Materials and Fuel
Fabrication Branch, DRSS, Region V

LICENSEE: Dept. of Interior
1011 East Tudor Rd.
Anchorage, Alaska 99503

LICENSE NO.: 50-29001-01

V Control No. 571563 (enclosed)

Letter dated _____ (enclosed)

Suggested change in licensing procedure (enclosed)

Other (see remarks)

Problem/Issue: A molecular genetics laboratory wishes to use a volunteer
Radiation Safety Officer

Action Required: Review request and advise regarding policy on
Volunteer RSO's.

Alternatives Considered: 1) Accept as interim measure 2) Reject as volunteer
is not paid by the licensee 3) Accept if criteria for volunteer are
changed — advise of appropriate changes

Recommended Alternative: No preference

Remarks: _____

Regional Reviewer: Beth Frange
Reviewer Code: 411
Reviewer Phone No.: (510) 975-0250

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee	
1. Department of the Interior Alaska Fish and Wildlife Research Ctr.	3. License number 50-29001-01
2. 1011 East Tudor Road Anchorage, Alaska 99503	4. Expiration date October 31, 1994
	5. Docket or Reference No. 020-31304
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form
A. Phosphorus 32 B. Sulfur 35	A. Any B. Any
8. Maximum amount that licensee may possess at any one time under this license	A. 1 millicurie B. 1 millicurie
9. Authorized use	A. and B. To be used for molecular genetics laboratory analyses.
10. Licensed material shall be used only at the licensee's laboratory located at 1011 East Tudor Road, Anchorage, Alaska.	
11. Licensed material shall be used by, or under the supervision of, Matthew A. Cronin.	
12. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material".	
13. Laboratory areas where greater than 200 microcuries of licensed material are used at any one time will be surveyed to measure radiation and contamination levels at intervals not to exceed seven calendar days. All other areas will be surveyed at intervals not to exceed 30 calendar days. Areas will be cleaned if the contamination level exceeds 200 disintegrations per minute per 100 square centimeters. Records of these surveys shall be maintained at the licensee's facility for inspection purposes.	

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number:

50-29001-01

Docket or Reference number:

030-31304

CONDITIONS

(continued)

14. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Application dated August 29, 1989.

B. Letter dated October 23, 1989.



NOV - 2 1989

Date _____

By _____

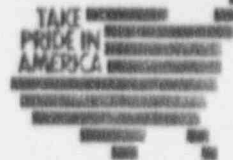
R. D. Thomas, Chief
Nuclear Materials Safety Section
Region V

571563



IN REPLY REFER TO:

RECEIVED
NRC
REGION V
United States Department of the Interior
672 MAR 17 AM 11:13
ALASKA FISH AND WILDLIFE RESEARCH CENTER
FISH AND WILDLIFE SERVICE
1011 E. TUDOR RD.
ANCHORAGE, ALASKA 99503



March 9, 1992

Bob Pate, Materials Branch Chief
Nuclear Regulatory Commission
Nuclear Materials Safety Section
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596-5368

Dear Mr. Pate:

As I told you in our phone conversation 2 March, I have left my position as research geneticist at the U.S. Fish and Wildlife Service Alaska Research Center. I have committed to remain radiation safety officer for the Research Center until a new geneticist is hired. I have established volunteer employee status which gives me full access to the lab facilities. I will be working in the lab several times a week. Mr. William Spearman, who has been trained in radiation safety and works in the lab, will supervise and control access on a daily basis.

Although I indicated in our phone conversation that we would not require using more radiation, that is not the case. Considering my volunteer status, we would like to maintain our materials license, including the ability to use p^{32} .

We will appoint my replacement as radiation safety officer when he/she is hired. Please let me know if these arrangements are acceptable.

Thank you for your consideration.

Matthew A. Cronin
Volunteer Research Geneticist

Enclosures: 1. Letter to NRC of 7 February 1992
2. Cronin Volunteer Agreement

571563

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VOLUNTEER SERVICES AGREEMENT
between
The U.S. Fish and Wildlife Service
Department of the Interior
and

1992 MAR 17 AM 11:13

MATT CROWL

(Name of Individual, Group or Educational Institution)

Address: 8415 Jupiter Dr
Anchorage AK 99507 Phone: 346 3916
Date of Birth: 11/19/54 Social Security Number: 097 48 9264

RESPONSIBILITIES

The volunteer and the Service will cooperate in the completion of projects at the location, within the timeframe, and in accordance with the criteria specified below and in the attached volunteer job description. Volunteer conduct will be governed by the Department of the Interior Regulations Governing Responsibilities and Conduct. The Service will provide appropriate supervision, training and equipment for the volunteer for the completion of work assignments.

Service Unit and Location: Alaska Fish & Wildlife Research Center, Anchorage

Supervisor: DIRK V. DELIKSEN

Dates of volunteer service: from 2/9/92 to 8/1/92

*Specific training: N/A

*Reimbursable Expenses: N/A

(*If not applicable, indicate N/A)

The volunteer (will/will not) will be required to supply his/her own transportation while performing assigned volunteer services.

The Government (will/will not) will not supply housing.

SPECIAL PROVISIONS

Tort Claims. For the purposes of the tort claim provisions in Title 28 of the U.S. Code, volunteers covered by this Agreement are considered to be Federal employees.

Injury Compensation. for the purpose of Subchapter I of Chapter 81 of Title 5 of the U.S. Code, volunteers covered by this Agreement are considered to be employees of the United States in terms of eligibility for compensation due to work related injuries.

VOLUNTEER SERVICES AGREEMENT
between
The U.S. Fish and Wildlife Service
Department of the Interior and

Matthew Cronin

RESPONSIBILITIES

- ° Serve as the Center radiation safety officer until the vacant geneticist position is filled.
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