National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Marshall Space Flight Center, AL 35812

Reply to Attn of: AD60

December 2, 2004

Mr. David Collins
Nuclear Regulatory Commission
Region II
610 Forsyth St., SW, Suite 23T85
Atlanta, GA 30303-3415

Ref: NRC License Number: 01-06571-10; Docket Number: 030-03575

This letter is to inform you of a change in the Radiation Safety Officer at the NASA Marshall Space Flight Center. Please remove Patrick Patterson from your records and substitute the following (Mr. Hutchison's resume/background information is attached):

Mr. William C. Hutchison, III
Radiation Safety Officer
NASA, MSFC, AS60M
MSFC, AL 35812

Also, please note that this mail code is changing from AD60M to AS60M, effective by January 1, 2005; the mail code for the Radiation Safety Committee Chairman, Dr. Brian Ramsey, has changed to XD12.

Sincerely,

for Pete Allen
Manager
Integrated Customer Support Dept.

Enclosure

cc:
AD60/J. Eagan
AD60M/W. Hutchison/E. Phillips
XD12/B. Ramsey

RECEIVED
REGION 1
'04 DEC 13 A10:32

136118

Mission Success Starts with Safety

NMSS/RGN1 MATERIALS-002

WILLIAM C. HUTCHISON, III
[redacted](HOME)
(256) 544-2390 (WORK)
(256) 544-5738 (DESK)

OBJECTIVE:

A position utilizing my Bachelors Degree, with my coursework in Nuclear Science, Human Relations/Management, Instructional Skills, and related work experience.

EDUCATION:

Louisiana State University, Baton Rouge, Louisiana---December 1985
GPA: Overall 2.25; Major 3.43
Degree: Bachelor of General Studies-Major; Nuclear Science; Minor; Communications
Courses: Nuclear Science (28 hours); Natural Science (22 hours); Communications (33 hours)
Social Science (27 hours); Management/Business (12 hours)
Graduate School for M.S. in Nuclear Science/Health Physics (5 hours-presently wanting to continue)

ADDITIONAL:

Safety Aspects of Isotope Radiography (40 hours)-Amersham Corporation
Radiation Safety Training for Radiography (16 hours)-Dr. Roy Parker, Consultant; Fed Ex Radiation Safety Officer
Health Physics Training Seminar (40 hours)-LSU Continuing Education Center
Introduction to Radiation Safety for LSU Personnel (5 hours)-LSU Nuclear Science Center
Radiation Safety and Use of Nuclear Gauges (8 hours) Cline Technical Services
Radiation Safety and Use of NITON XRF Spectrum Analyzer-NITON Corporation
FEMA IS-301Radiological Emergency Response (Self-study prerequisite)
FEMA RERO Training-Radiological Emergency Response Operations (40 hours) FEMA Training Institute
Nuclear Regulatory Commission Training Class for Well-Logging (40 hours)
Nuclear Regulatory Commission Training Class for Transportation (40 hours)
Nuclear Regulatory Commission Training Class for Inspection Techniques (40 hours)
Nuclear Regulatory Commission Training Class for Inspection for Performance (24 hours)
Nuclear Regulatory Commission Training Class for Industrial Radiography (40 hours)
Nuclear Regulatory Commission Training Class for Health Physics Technology (80 hours)
Nuclear Regulatory Commission Training Class for Licensing Procedures and Techniques (40 hours)
Nuclear Regulatory Commission Training Class for Licensing Practical w/Colleen Casey; NRC Region III (40 hours)
Invitation by the United States Nuclear Regulatory Commission to participate in Rulemaking Process for 10 CFR 34-Industrial Radiography.

EXPERIENCE:

Health Physicist, ***August 1998 to Present, Bureau of Radiation Protection/The Ohio Department of Health Columbus, OH***

Responsible for the inspection of radioactive materials licensees for compliance to State and Federal Regulations related to health and safety issues. My duties include the inspection of radiation facilities of all types, both medical and non-medical, incident response and corrective action of both nuclear power plant and non-power plant emergencies. Responsible for the technical review and issuance of State of Ohio Radioactive Materials Licenses. Experienced in both Word97 and Wordperfect Corel Suite 8 software and the use of Access97 spreadsheets.

***Safety Engineer/Assistant Radiation Safety Officer**, August 1993 to December 1993, Office of Environmental Health & Safety, Old Dominion University, Norfolk, VA*

> *Responsible for implementing industrial hygiene programs to comply with OSHA, MSDS, and HASCOM requirements. Oversight of University radiation safety program for regulatory compliance in accordance for a NRC broad scope radioactive materials license for a Division I academic research institution.*
> *Revised the radiation safety manual to incorporate the new 10 CFR part 20 requirements.*
> *Developed and conducted HASCOM and radiation safety training for ancillary personnel.*
> *Developed and conducted radiation safety training program for "Qualified and Authorized" users of radioactive materials in accordance to broad scope requirements.*
> *Monitored radiochemistry research facilities for regulatory and committee compliance, i.e. contamination surveys, fume hood evaluations, ect.*
> *Handled, packed and disposed of hazardous and radioactive wastes in accordance with OSHA, NRC, and DOT compliance.*
> *Monitored and implemented new ALARA requirements for personnel dosimetry program.*
> *Conducted bioassays program as required.*
> *Conducted environmental monitoring and sampling of underground storage tanks in accordance with OSHA standards.*

***Radiation Protection/Safety Officer**, 1990 to 1993. NASA, John C. Stennis Spaceflight Center, Mississippi, for Sverdrup Technology.*

> *Responsible for overseeing a comprehensive radiation protection program to comply with Agreement State, MS State, NRC, OSHA, and NASA safety requirements for the U.S. Space Shuttle Main Engine Testing Program.*
> *Principal liaison between State, NASA, and management concerns.*
> *Oversight of various R&D radiation science projects.*
> *Also experienced in licensing requirements, procedure writing, calibration of instruments and spectral analysis.*
> *Hold and maintain both radiographic and analytical radioactive materials licenses, including the first specific license for spectral leak test analysis and calibration of radiation instruments-MS-635-03.*
> *I conduct audits on personnel and facilities, train personnel, conduct customer relations, and act as a quality assurance designee in a TQM environment.*

***Professional Recording Studio and Tour Musician**, 1984 to Present*

> *Full time, self-employed contract player for national and major regional acts. Subsequently part-time at present. Some software consulting only.*

***Health Physics/Radiation Safety Inspector**, 1981 to 1984. Louisiana State University Nuclear Science Center Baton Rouge, Louisiana.*

> *Three years experience monitoring a comprehensive radiation protection program for radiochemistry research facilities using a variety of advanced detection techniques for state and federal safety compliance.*
> *Extensive use of the ALARA concept for personnel safety, instructional duties, all aspects of hazardous waste management, experimental design of radiotracer and nondestructive testing methods, and environmental monitoring.*
> *Managed low-level radioactive, hazardous, and bio-hazard wastes by handling, packing, and disposing of wastes produced by these facilities.*
> *Conducted radiological impact studies for ecosystem environments.*
> *Performed decontamination practices on facilities.*
> *Personnel dosimetry monitoring and required recordkeeping.*
> *Wrote and produced instructional television programs for the LSU system on selected radiation safety topics.*

HONORS:

- *Co-author of "A Scanning Density Gauge for Concrete Highway Slabs", American Society of Nondestructive Testing, Spring Conference, 1979.*
- *Acknowledgement for preliminary studies in final draft report Feasibility of Development of a Nuclear Density Gauge for Determining the Density of Plastic Stratum, F.A. Iddings and Melancon, May 1981, National Technical Information Service, Springfield, Virginia.*
- *Award fees for Process Improvement Implementation at NASA Stennis Spaceflight Center, 1991.*
- *Invitation by the United States Nuclear Regulatory Commission to participate in Rulemaking Process for 10 CFR 34-Industrial Radiography.*

FORM RH-2
REVISED
11-90

MISSISSIPPI STATE DEPARTMENT OF HEALTH
DIVISION OF RADIOLOGICAL HEALTH

RADIOACTIVE MATERIAL LICENSE

Pursuant to the Mississippi Radiation Control Act and Mississippi State Board of Health Environmental Regulations on radiation, 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 radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the State Board of Health and orders of the Division of Radiological Health, now or hereafter in effect and to any conditions specified below.

LICENSEE	
1. Name Sverdrup Technology Inc.	3. License Number MS-635-03
2. Address Building 2110 Stennis Space Center, Mississippi 39529 Attn: E. J. Casanova	4. Expiration Date June 1, 1993 5. File Number MS-635

6. Radioactive Material *(Element and Mass Number)*	7. Chemical and/or Physical Form	8. Maximum Radioactivity and/or quantity of material which licensee may possess at any one time.
A. Any radioactive material	A. Any sealed source	A. See Item 9.A.
B. Cesium-137	B. Sealed Source (Amersham/Tech-Ops Model 77302)	B. No single source to exceed 165 millicuries.

9. Authorized Use

A. The licensee is authorized to perform tests for leakage and/or contamination upon sealed sources containing radioactive material and upon devices which contain sealed sources. This license authorizes possession of radioactive material collected as a result of these tests. Such waste material will be disposed of as stated in application and attachments received March 15, 1990, signed by E. J. Casanova, and Sverdrup Technology, Inc. operating procedures received March 15, 1990, and revision received March 5, 1991.

B. To be used in Amersham/Tech-Ops Model 773 calibrator for instrument calibration.

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.

CONTINUED ON PAGE 2

Date June 3, 1991

FOR THE MISSISSIPPI STATE DEPARTMENT OF HEALTH

by Eddie S. Fuente

DIVISION OF RADIOLOGICAL HEALTH
JACKSON, MISSISSIPPI 39215

CONDITIONS (continued)

11. The licensee shall comply with the provisions of the Mississippi State Board of Health Regulations for Control of Radiation, Section A, "General Provisions," Section C, "Licensing of Radioactive Material," Section D, "Standards for Protection Against Radiation," Section J, "Notices, Instructions and Reports to Workers: Inspections," and Section T, "Transportation of Radioactive Material."

12. Tests for leakage and/or contamination of sealed sources and survey meter calibrations shall be performed by, or under the supervision of William C. Hutchison, III.

13. A. (1) Each sealed source containing licensed material, other than Hydrogen-3, with a half-life greater than thirty (30) days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six (6) months. In the absence of a certificate from a transferor indicating that a test has been made within six (6) months prior to the transfer, a sealed source received from another person shall not be put into use until tested.

(2) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six (6) months prior to the date of use or transfer.

B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Division of Radiological Health, Mississippi State Department of Health.

C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with the Mississippi State Board of Health Regulations for Control of Radiation. A report shall be filed within five (5) days of the test with the Division of Radiological Health, Mississippi State Department of Health, P. O. Box 1700, Jackson, Mississippi 39215-1700, describing the equipment involved, the test results, and the corrective action taken.

UNITED STATES NUCLEAR REGULATORY COMMISSION

Certificate of Training

this certifies that

William C. Hutchison, III

(State of Ohio)

Has completed the Inspection Procedures Course (G-108) and has met the objectives specified in the course by successful completion of a written examination.

September 13-17, 1999
Date

Kenneth A. Raglin
Director, Technical Training Division

UNITED STATES NUCLEAR REGULATORY COMMISSION

Certificate of Training

this certifies that

William C. Hutchison III

(State of Ohio)

Has completed the Inspecting for Performance-Materials Version (G-304) and has met the objectives specified in the course by successful completion of a written examination.

October 1-3, 2003

Date

Kenneth A. Raglin

Associate Director for Training and Development

UNITED STATES NUCLEAR REGULATORY COMMISSION

Certificate of Training

this certifies that

William C. Hutchison, III

State of Ohio

Has completed the Licensing Practices and Procedures Course (G-109) and has met the objectives specified in the course by successful completion of a written examination.

July 12 - 16, 1999
Date

Kenneth A. Raglin
Associate Director for Training and Development, HR

UNITED STATES NUCLEAR REGULATORY COMMISSION

Certificate of Training

this certifies that

William C. Hutchison, III

State of Ohio

Has completed the Health Physics Technology Course (H-201) and has met the objectives specified in the course by successful completion of a written examination

October 23 - November 3, 2000
Date

Associate Director for Training and Development, HR

UNITED STATES NUCLEAR REGULATORY COMMISSION

Certificate of Training

this certifies that

William Hutchison III

State of Ohio

Has completed the Safety Aspects of Well Logging Course (H-314) by successful completion of a written examination.

November 2 - 6, 1998
Date

Kenneth A. Raglin
Director, Technical Training Division

UNITED STATES NUCLEAR REGULATORY COMMISSION

Certificate of Training

this certifies that

William C. Hutchison, III

State of Ohio

Has completed the Safety Aspects of Industrial Radiography (H-305) and has met the objectives specified in the course by successful completion of a written examination.

May 10 - 14, 1999
Date

Associate Director for Training and Development, HR

UNITED STATES NUCLEAR REGULATORY COMMISSION

Certificate of Training

this certifies that

William C. Hutchinson, III

State of Ohio

Has completed the Transportation of Radioactive Materials Course (H-308) and has met the objectives specified in the course by successful completion of a written examination.

April 26 - 30, 1999

Date

Kenneth A. Raglin

Associate Director for Training and Development, HR

William C. Hutchison, III

IN RECOGNITION OF HAVING SUCCESSFULLY
COMPLETED AN EDUCATIONAL COURSE, AND
DEMONSTRATED PROFICIENCY BY SATISFACTORY
COMPLETION OF AN EXAMINATION ON THE SUBJECT OF

U.S. NRC
Safety Aspects of
Industrial Radiography
(40 Hours)

IN WITNESS THEREOF THESE SIGNATURES HAVE BEEN
HERETO AFFIXED

May 14, 1999

GENERAL MANAGER

INSTRUCTOR

HELLIER

TECHNICAL TRAINING & CONSULTING

NATIONAL EMERGENCY TRAINING CENTER

EMERGENCY MANAGEMENT INSTITUTE

Certificate of Achievement

This Certificate of Achievement is to acknowledge that

William C. Hutchison III

Has reaffirmed a dedication to serve in times of crisis
through continued professional development
and completion of:

RADIOLOGICAL EMERGENCY RESPONSE OPERATIONS

March 21 - 26, 1999

Deputy Superintendent
Emergency Management Institute

Superintendent
Emergency Management Institute

OAS

Organization of Agreement States

Certificate of Recognition

Presented to:

William Hutchenson, Ohio

Service on the Radiography Associated Equipment Working Group 2002-2003

Pearce O'Kelley, Chair
Organization of Agreement States

NATIONAL EMERGENCY TRAINING CENTER

EMERGENCY MANAGEMENT INSTITUTE

Certificate of Achievement

This Certificate of Achievement is to acknowledge that

WILLIAM C. HUTCHISON

Has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of the independent study course:

IS-301
Radiological Emergency Response

Issued this *5th* day of *January, 1999*

Deputy Superintendent
Emergency Management Institute

Superintendent
Emergency Management Institute

THE

DIVISION OF CONTINUING EDUCATION

OF

LOUISIANA STATE UNIVERSITY

AND AGRICULTURAL AND MECHANICAL COLLEGE

Certifies that

WILLIAM C. HUTCHISON, III

has completed in a satisfactory manner

BASIC HEALTH PHYSICS

GRANTED ON THIS 14TH DAY OF DECEMBER, 1984.

John C Courtney
Instructor

Fritz A. McCameron
Dean, Division of Continuing Education

Amersham

hereby certifies

William C. Hutchison III

has successfully completed the course:

"Radiation Safety Aspects of Isotope Radiography"

ATTESTED: March 8, 1991

Lori K. Podolak
Instructor

Cathleen M. Roughan
Radiation Safety Officer

Dr. Eric T. Clarke
Consultant

Louisiana Highway Research

FEASIBILITY OF DEVELOPMENT OF A NUCLEAR DENSITY GAGE FOR DETERMINING THE DENSITY OF PLASTIC CONCRETE AT A PARTICULAR STRATUM

FINAL REPORT

Louisiana Department of Transportation and Development

Research and Development Section

ACKNOWLEDGEMENTS

The authors wish to acknowledge the following persons for their respective efforts during the course of this study: Kirby Shipp, Mike Callihan, Allen B. Causey, Craig Greene and Philip A. Menk, Jr. for the experimental work; Gregory L. Jones and William Hutchison for the preliminary studies; Mitchel Martin and Doug Phillips for core sample density measurements; and Sandra Shipp for assistance with original drawings. The authors also appreciate the editorial contributions of Steve Bokun.

CERTIFICATE OF TRAINING

WILLIAM C. HUTCHISON, III — SVERDRUP TECHNOLOGY, INC.

RADIOGRAPHER TRAINING PROGRAM

FEBRUARY 16-17, 1991 — GRETNA, LOUISIANA

Roy A. Parker

ROY A. PARKER Ph.D.
RADIATION PHYSICIST

NITON®

CORPORATION

Certificate of Achievement

William Hutchinson, III

Ohio Dept. of Health

has successfully completed the Manufacturer's Training Course for the
NITON Spectrum Analyzer *and is now certified*
in radiation safety and monitoring, measurement technology,
and machine maintenance of the **NITON XRF Spectrum Analyzer**.
(CIH's - The ABIH awards 1 CM point, approval #5827)

99042049059

Certificate Number

04/21/99 Cleveland, OH

Date & Site of Course

OFFICIAL SEAL EXCELLENCE

Victoria Grzybinski

Training Coordinator

Kenneth P. [illegible]

Director of Training

BNC

Berkeley Nucleonics Corporation

Department of Training and Instruction

SAM 935 Surveillance and Measurement Course

Certificate of Training

William Hutchinson

Ohio Department of Health

IS HEREBY RECOGNIZED FOR PARTICIPATION IN

a program designed to train participants in radiation detection, identification and measurement techniques for Emergency Response and Anti-Terrorism utilizing the SAM 935 Surveillance and Measurement System, a product of Berkeley Nucleonics Corporation.

Columbus, OH

Location

April 9, 2003

Date

Jim McQuaid

Jim McQuaid
Chief Instructor

No 98271174

Certificate of Completion

This is to certify that **William Hutchison** has completed an equivalent CPN International manufactures training course on Radiation Safety and Use of Nuclear Gauges, with training per 49 CFR 172, sub H, & Security during transit, held this **13 th** day of **October**, **2004** in the city of **Amanda** State of **Oh** by

Cline's Technical Services, Inc.

10883 Cincinnati Zanesville Road - Amanda, Ohio - 43102
Phone: 740-969-2720 - Fax: 740-969-2122

Willie Cline

Radiation Safety Officer Willie Cline

Willie Cline

Instructor Willie Cline

wbc 2 12 2004

This is to acknowledge the receipt of your letter/application dated

12/2/2006, and to inform you that the initial processing which includes an administrative review has been performed.

AMEND. 01-06571-01

☑ There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

____.

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 136118.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader

: (FOR LFMS USE)
: INFORMATION FROM LTS
: --------------------

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

: Program Code: 03620
: Status Code: 0
: Fee Category: EX 3M
: Exp. Date: 20051031
: Fee Comments: 3M EFF 4/17/98/3M CORRECT
: Decom Fin Assur Reqd: N

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED
   Applicant/Licensee: NATIONAL AERONAUTICS & SPACE ADM.
   Received Date: 20041213
   Docket No: 3003575
   Control No.: 136118
   License No.: 01-06571-10
   Action Type: Amendment

2. FEE ATTACHED
   Amount: /
   Check No.: /

3. COMMENTS

Signed M. A. Perkins
Date 12/13/2004

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__/)

1. Fee Category and Amount: ______________________

2. Correct Fee Paid. Application may be processed for:
   Amendment ________
   Renewal ________
   License ________

3. OTHER ______________________
   ____

Signed ______________________
Date ______________________