



**Smith Ranch - Highland
Uranium Project**
P. O. Box 1210
Glenrock, Wyoming USA 82637
Casper: 307-235-1628
Douglas: 307-358-6541
Fax: 307-358-4533

October 23, 2007

Paul Michalak
U.S. Nuclear Regulatory Commission
Two White Flint North
11545 Rockville Pike, T7E18
Rockville, MD 20852-2738

RE: Source Material License SUA-1548, Docket No. 40-8964
Request for approval of Radiation Safety Officer

Dear Mr. Michalak:

Power Resources, Inc is hereby requesting approval of John McCarthy as Radiation Safety Officer (RSO) for the Smith Ranch-Highland Uranium Project. Please find attached my qualifications in accordance with Regulatory Guide 8.31.

If you have any questions concerning this submittal please contact me at (307) 358-6541 ext. 46.

Regards,

A handwritten signature in black ink, appearing to read 'John McCarthy'.

John McCarthy
Manager, Safety, Health and Environment

cc: S. Collings C. Foldenauer File SR 4.6.4.1

S. Ingle WDEQ/LQD



Regulatory Guide 8.31, 2.4 states the technical qualifications the Radiation Safety Officer (RSO) should have in education, training and experience.

1. **Education:** A bachelor's degree in the physical sciences, industrial hygiene, or engineering from an accredited college or university or an equivalent combination of training and relevant experience in Uranium Recovery (UR) facility radiation protection. Two years of relevant experience are generally considered equivalent to 1 year of academic study.

I have graduated from Casper College with an Associate of Science Degree in 1967, additional science and math classes through the University of Wyoming have resulted in a total of 114.5 cumulative hours to date.

2. **Health Physics Experience:** At least one year of work related experience relevant to UR operations in applied health physics, radiation protection, industrial hygiene, or similar work. This experience should involve actually working with radiation detection and measurement equipment, not strictly administrative or "desk" work.

I have held the position of Radiation Safety Technician with Rio Algom Mining Corporation from 1993 to November 1996. This position encompassed the understanding and implementation of radiation detection equipment, calibration and sampling. From November 1996 to July 2002 I held the position of Radiation Safety Officer (RSO) at Smith Ranch and July 2002 to February 2003 at Smith Ranch-Highland. The RSO position was approved with the NRC by letter dated November 26, 1996 with reference to Regulatory Guide 8.31, and is attached.

3. **Specialized Training:** At least 4 weeks of specialized classroom training in health physics specifically applicable to uranium recovery. In addition, the RSO should attend refresher training on UR facility health physics every 2 years.

Attached are the completion certificates issued by the various radiation safety classes attended to date for a total of 12 weeks. Enclosed also are associated certification of completions and letters of approval concerning related work activities.

4. **Specialized Knowledge:** A thorough knowledge of the proper application and use of all health physics equipment used in the UR facility, the chemical and analytical procedures used for radiological sampling and monitoring, mythologies used to calculate personnel exposure to uranium and its daughters, and a thorough understanding of the UR process and equipment used

mythologies used to calculate personnel exposure to uranium and its daughters, and a thorough understanding of the UR process and equipment used in the facility and how the hazards are generated and controlled during the UR process.

I have worked in various aspects of the Uranium Recovery operations since 1967 and directly with radiation protection since 1993. This experience includes inspections, instrumentation, analytical results and calculations, ALARA reports, radiation training for new hires and refresher training, procedure writing and reviews and formal submittals with the NRC.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 26, 1996

Mr. Bill Ferdinand, General Manager
Smith Ranch Uranium Project
Rio Algom Mining Corp.
P.O. File 1390
Glenrock, Wyoming 82637

SUBJECT: APPROVAL OF RADIATION SAFETY OFFICER FOR THE SMITH RANCH IN-SITU
LEACH FACILITY - SOURCE MATERIAL LICENSE SUA-1548

Dear Mr. Ferdinand:

The U.S. Nuclear Regulatory Commission staff has completed its review of your request, dated November 1, 1996, to have Mr. John McCarthy designated as the permanent on-site Radiation Safety Officer (RSO) for Rio Algom Mining Corp.'s Smith Ranch in-situ leach uranium recovery facility.

Based on its review, NRC staff finds Mr. McCarthy to be appropriately qualified, in accordance with NRC Regulatory Guide 8.31, and approves him to be the RSO for the Smith Ranch facility. Because this action does not change the current corporate organizational reporting structure, no amendment to your license is required.

If you have any questions concerning this letter, please contact the NRC Project Manager for the Smith Ranch facility, Mr. Robert Carlson, at (301) 415-8165.

Sincerely,

A handwritten signature in cursive script, appearing to read "Joseph J. Holonich".

Joseph J. Holonich, Chief
Uranium Recovery Branch
Division of Waste Management
Office of Nuclear Material
Safety and Safeguards

Docket No. 40-8964
License No. SUA-1548
Case Closed: L51479

John McCarthy

has successfully completed the Technical Short Course entitled

Radiation Safety Officer Refresher

October 14 - 15, 2002

Presented in Las Vegas, Nevada, the 15th day of October, 2002

By Nevada Technical Associates, Inc.

Robert Holloway
Robert Holloway, Ph.D.
President



Basic Hazardous Materials Transportation Training Program

Certificate of Completion

John McCarthy

a Hazmat Employee of

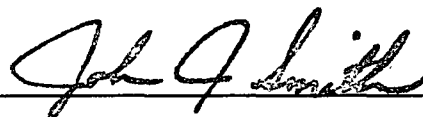
Basic Radioactive Materials Transportation

Module 3

on

February 7, 2001

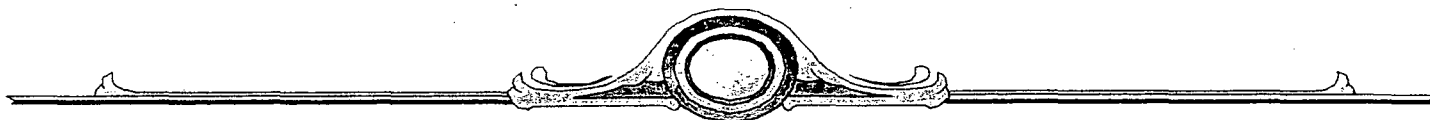
Completion of this course is certified by



National Transportation Program
Office of Environmental Management
U.S. Department of Energy



Office of Hazardous Materials Initiatives and Training
Research and Special Programs Administration
U.S. Department of Transportation



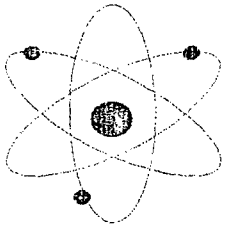
Radiation Safety & Control Services, Inc.

Awards this certificate to

John McCarthy

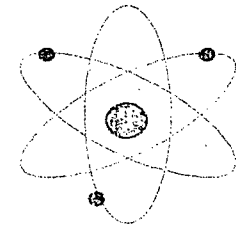
in recognition of satisfactory completion of our 40-hour


**RADIATION SAFETY OFFICER
TRAINING COURSE**




Bedford, New Hampshire

August 14 - 18, 2000




Frederick P. Straccia, CHP


James P. Tarzia, CHP


Eric L. Darois, CHP

This course has been approved for 40, Category A, CE credits (reference number NHZ0188001) by the ASRT Dept. of Education



HARVARD SCHOOL OF PUBLIC HEALTH

BOSTON, MASSACHUSETTS

This is to certify that

John McCarthy

has completed

Occupational and Environmental Radiation Protection

August 10 - 14, 1998

conducted by

**THE DEPARTMENT OF ENVIRONMENTAL HEALTH
AND THE CENTER FOR CONTINUING PROFESSIONAL EDUCATION**

*Dade W. Moeller, PhD, CHP
Course Director*

*David A. Shore, PhD
Coopers and Lybrand Director of
Continuing Professional Education*

*Jacob Shapiro, PhD, CHP
Course Director*

OAK RIDGE ASSOCIATED UNIVERSITIES

This is to certify that

JOHN P. McCARTHY

has completed

A FIVE-WEEK APPLIED HEALTH PHYSICS COURSE

conducted by Training and Management Systems

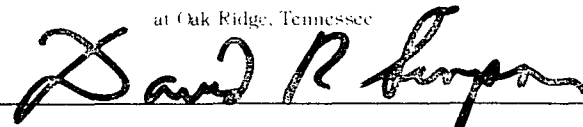
Division of

Oak Ridge Associated Universities

Operating under contract with the Department of Energy

18TH day of OCTOBER, 1996

at Oak Ridge, Tennessee



Director, Professional Training Programs

OAK RIDGE ASSOCIATED UNIVERSITIES

This is to certify that

JOHN P. MCCARTHY

has completed

A ONE-WEEK ENVIRONMENTAL MONITORING FOR RADIOACTIVITY COURSE

conducted by Training and Management Systems

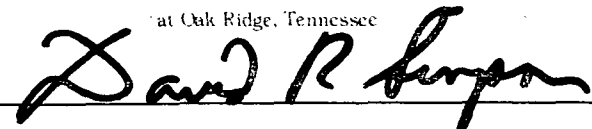
Division of

Oak Ridge Associated Universities

Operating under contract with the Department of Energy

15TH day of SEPTEMBER, 1995

at Oak Ridge, Tennessee



Director, Professional Training Programs

OKLAHOMA STATE UNIVERSITY
College of Engineering, Architecture & Technology Extension

This is to certify that

John McCarthy

attended forty hours of training on

Radiation Safety Officer Training

conducted by Oklahoma State University

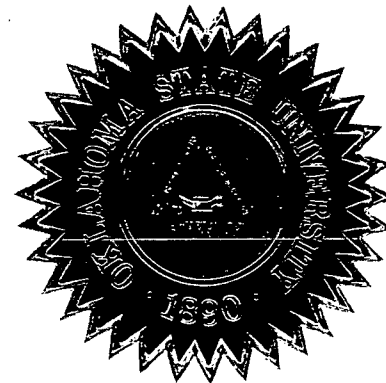
June 12-16, 1995, Nashville, Tennessee

Howard M. Johnson

Howard Johnson
Associate Professor

Stan Dunham

Stan Dunham
Extension Program Manager





The University of Texas
Health Science Center at San Antonio
7703 Floyd Curl Drive
San Antonio, Texas 78284-7980

Continuing Medical Education

(210) 567-4444
(210) 567-6964 FAX

CERTIFICATE OF ATTENDANCE

John P. McCarthy
P.O. Box 1390
Glenrock, WY 82637

SS #: 520-50-7313
Specialty: Radiation Safety

Course Title: Basic Radiological Health #070-4
Date: August 22, 1994 - August 26, 1994
Location: Marriott Courtyard Medical Center

Category 1 AMA Physician's Recognition Award: 36 Hours
Contact Hours: 36 (1 Contact Hour is 60 Mins.)
CEU's: 3.6

This confirms that the individual designated herein has met all the requirements of the above course for awarding of applicable continuing education credit.

A handwritten signature in cursive script, appearing to read "Susan P. Duncan".

Susan P. Duncan, M.Ed. - Director of CME

U. S. Department of Labor

Mine Safety and Health Administration
P O Box 25367
Denver, Colorado 80225



ROCKY MOUNTAIN DISTRICT
Metal and Nonmetal Mine Safety and Health

October 12, 2000

Mr. Kenneth L. Holman
Safety Engineer
Rio Algom Mining Corp.
P. O. Box 1390
Glenrock, Wyoming 82637

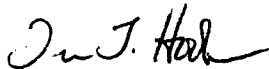
Ref: 48-00837
Smith Ranch Project

Dear Mr. Holeman:

Your request to have Mr. John McCarthy granted MSHA instructor status per the provisions of 30 CFR; Part 48, Subpart B (surface) has been reviewed and approved. An instructor card will be issued in the near future with the course code IS (instructor surface).

Please be advised that this approval is being granted with the limitation that Mr. McCarthy can only teach the Part 48 training for the Rio Algom Mining Corporation.

Sincerely,

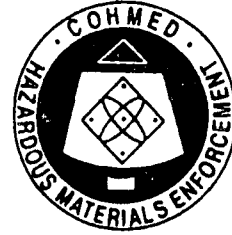

Irvin T. Hooker
District Manager

cc: Green River, WY FO



U.S. Department
of Transportation

**Research and
Special Programs
Administration**



Certificate of Training

This certificate acknowledges that

John McCarthy

has successfully completed the

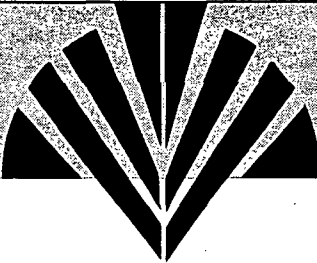
Basic HM Awareness Course

Denver, Colorado

*David L. Sargent, Director
Office of Hazardous Materials
Initiatives and Training*

JULY 9, 1998

Date



Certificate of Participation

*in the
Spring 2000 Training Course*

for

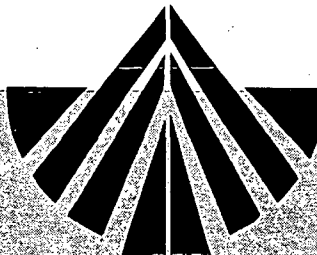
*Emergency Planning and Community Right-To-Know Act
and Toxics Release Inventory Reporting*

Awarded to

John McCarthy



*Michael Hart
Toxics Release Inventory Program
U.S. Environmental Protection Agency*



Basic Hazardous Materials Transportation Training Program

Certificate of Completion

John McCarthy

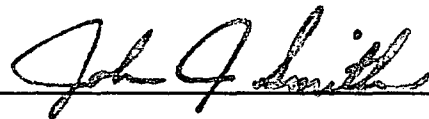
a Hazmat Employee of

**Basic Hazardous Materials Transportation Training
Module 1**

on

February 7, 2001

Completion of this course is certified by



National Transportation Program
Office of Environmental Management
U.S. Department of Energy



Office of Hazardous Materials Initiatives and Training
Research and Special Programs Administration
U.S. Department of Transportation