Amendment No. 02

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, 36, 39, 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.

301999

Licensee	
1. USS - Gary Works	In accordance with application dated October 16, 1996 3. License Number 13-26104-02 amended in its entirety to read as follows:
2. 1 North Broadway MS42 Gary, IN 46402	4. Expiration Date February 28, 2001
	5. Docket or Reference No. 030-32001

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. Cesium-137	A. Sealed sources (Amersham Corporation Model CDC.PE3)	A. Four sources not to exceed 30 curies each

9. Authorized Use:

A. To be used in FAG Bearing Corporation Model M-205 source holder for thickness of steel plate measurement.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 1 North Broadway, Gary, Indiana.

11. A. Licensed material shall be used by or under the supervision of individuals who have successfully completed the device manufacturer's training program for gauge users and who have been designated by the licensee's Radiation Protection Officer. The licensee shall maintain records of the individuals who have been designated as authorized users.

B. The Radiation Protection Officer for the activities authorized by this license is Dean Larson, Ph.D.

12. A. (1) The source(s) specified in Item(s) 7.A shall be tested for leakage and/or contamination at intervals not to exceed 6 months. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer shall not be put into use until tested.

0/1 2 ML 30 SD

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
13-26104-02

Docket or Reference Number
030-32001

Amendment No. 02

(2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.

B. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another person, it shall be tested before use or transfer.

C. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region III, 801 Warrenville Road, Lisle, Illinois 60532-4351, ATTN: Chief, Nuclear Materials Safety Branch. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.

D. Tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.

13. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.

14. Installation, initial radiation surveys, relocation, removal from service, or any similar activity with devices containing licensed material shall be performed only by persons specifically licensed by the Commission or an Agreement State to perform such services. The licensee may initially mount the device only in accordance with written instructions provided by the manufacturer; however, the device may not be used until surveyed by a person specifically licensed by the Commission or an Agreement State to install gauges. The licensee may maintain, repair, or replace device components not directly associated with the devices's sealed source, its related shielding, or the device's on-off mechanism; and that will not result in increased radiation levels in accessible areas about the device.

15. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, manufacturer's name and model numbers, location of each sealed source and the date of the inventory.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
13-26104-02

Docket or Reference Number
030-32001

Amendment No. 02

16. The licensee shall assure that the devices are tested for proper operation of the on-off mechanism and indicator, if any, at intervals not to exceed six months or at such other intervals as are specified by the manufacturer. The licensee shall maintain records of the results of these tests for a period of one year after the next required test is performed. These records shall show the date(s) of performance and results of these tests as well as the name of the individual performing the test.

17. The licensee shall operate each gauge within the manufacturer's specified temperature and environmental limits such that the shielding and shutter mechanism of the source holder is not compromised.

18. The licensee shall maintain records of information important to safe and effective decommissioning at the address specified in Condition 10. per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.

19. Pursuant to 10 CFR Part 40, "Domestic Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import up to 999 kilograms of depleted uranium contained as shielding material.

20. 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 U.S. 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 December 20, 1990;

    B. Letters dated December 21, 1990 and January 25, 1991 (with enclosed revisions to application dated December 20, 1990), January 31, 1991 (with enclosed revisions to the January 25, 1991 submittal) and January 31, 1991 (with enclosed page number corrections); and

    C. Application dated January 12, 1996 (with attachments).

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date Dec 18 1996

By Evelyn R Gibson
Nuclear Materials Licensing Branch, Region III

COPY

R9

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 03120
Status Code: O
Fee Category: 3P
Exp. Date: 20010228
Fee Comments:
Decom Fin Assur Reqd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
   Applicant/Licensee: USS - GARY WORKS
   Received Date: 961029
   Docket No: 3032001
   Control No.: 301999
   License No.: 13-26104-02
   Action Type: Amendment

2. FEE ATTACHED
   Amount: 300
   Check No.: 47216

3. COMMENTS

Signed D. Hersey
Date 11-7-96

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

1. Fee Category and Amount: 3P $300

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

3. OTHER

Signed AC
Date 11/8/96

96 NOV -8 AM 9:21 - ACN 9601

NOV 22 1996

Log Nov 3 III
Remitter
Check No. 47216
Amount $300
Fee Category 3P
Type of Fee AMD
Date Check Rec'd 11/8/96
Date Completed 11/8/96
By: SC

U. S. Steel
Gary Works
One North Broadway
Gary, IN 46402-3199

October 16, 1996

Nuclear Materials Licensing Section
U. S. Nuclear Regulatory Commission
Region III
801 Warrenville Road
Lisle, IL 60532-4351

RE: Amendment to NRC Radioactive Materials License #13-26104-02

Dear Sir or Madam:

Please amend the above referenced radioactive materials license to reflect the following:

1. Please delete George Bradley, Jr. From our license as a user and the Radiation Safety Officer. Our new Radiation Safety Officer will be Dean Larson, Ph. D. Attached is a copy of Mr. Larson's resume listing his various training and experience which makes him a qualified individual for this position.

Our check in the amount of $300.00 to cover the amendment processing fee is attached. Please contact me at (219) 888-2833 if you have any questions or need additional information. Thank you for your time and consideration.

Sincerely,

Dean R. Larson
Safety and Industrial Hygiene Manager

:ac
Enclosure

PM: 10-24-96

U. S. Steel Group
A unit of USX Corporation

Steel the recycled material

301999

OCT 2 9 1996

PROFESSIONAL BIOGRAPHY

Dean R. Larson

October 1996

Title Department Manager, Safety and Industrial Hygiene
U.S. Steel - Gary Works, Gary, Indiana

Education

B.S. 1965 Purdue University
Industrial Management

M.S. 1971 Naval Postgraduate School, Monterey, CA
Communications Management

Ph.D. 1994 Purdue University
Education
(Instructional Research & Development)

U.S. Naval Destroyer School
U.S. Marine Corps Command and Staff College

Certifications and Qualifications

Certified Safety Professional (CSP) Comprehensive Practice	1989–
Certified Emergency Manager (CEM)	1995–
Trained Accident Investigator Department of Energy	1989–
Navy Officer Billet Codes (year of assignment)	
Education / Training Planning and Program Officer	1992
Disaster Preparedness Officer	1992
Safety Engineer	1990
Staff Operations and Plans Officer	1987
Weapons Safety Officer	1982
Weapons and Ammunition Inspection Officer	1979
Communications Plans and Operations Officer	1975

October 10, 1996

Operations Officer, Afloat	1973
Communications Traffic Officer	1971
Weapons Officer	1970
Ship's Boatswain	1967
First Lieutenant, Afloat	1966

Clearances

Department of Defense	Top Secret	Retired 1992
Department of Energy	"Q"	Inactive

Employment

1995--- U.S. Steel - Gary Works, Gary, Indiana
Department Manager, Safety and Industrial Hygiene
Responsible for management of the Safety and Industrial Hygiene programs for an integrated steel mill, 7.5 miles long and 1.5 miles wide. 7,800 USS employees and an 800 contractor employees comprise the work force protected by these programs. Gary Works representative to the Local Emergency Planning Committee, Lake County, Indiana. Responsible for technical oversight of the safety and industrial hygiene training programs.

1989-95 Argonne National Laboratory
Environment, Safety & Health Training Manager
Responsible for management of the ESH Training Program which covers instruction to comply with Department of Energy, OSHA, EPA and DOT regulations and instructional support to Waste Management Operations and Plant Facilities and Services. INCLUDING RADIATION SAFETY TRAINING

1962-92 U. S. Navy / Naval Reserve (Retired)
Captain (O-6), Special Operations Officer

Enlisted - Naval Reserve	1962
Commissioned - NROTC	1965
Regular Navy	1967
USS ALGOL (AKA 54)	1965-1967
Cargo and Deck Operations	
Cargo Safety	
Naval Destroyer School	1967-1968
USS McCLOY (DE 1038)	1968-1970

October 10, 1996

Weapons and Deck Operations
Nuclear Weapons Safety

Naval Postgraduate School 1970-1971
USS SHASTA (AE 33) 1971-1973
Operations and Training
Personnel Reliability Program
Defense Communications Agency - Bangkok
Quality Assurance 1973-1975
Fleet Numerical Weather Central 1975
Communications Project
Naval Reserve 1975-1992
Ordnance Unit Command 6 1/2 yrs
Executive Officer 4 yrs
Training Officer 2 yrs
Emergency Preparedness 5 yrs

Chief Inspector, Explosive Safety 3 yrs
Inspections, NAVSEA

Disaster Preparedness Officer, 3 yrs
Naval Training Center, Great Lakes

1975 - 1989 USS Division of USX Corporation
Coke & Chemicals Division
Gary Works, Gary, Indiana
ES&H Compliance 11 yrs
Emergency Preparedness 2 yrs
Production Management 3 yrs

Visiting Faculty

1994 -- Purdue University Calumet - Visiting Instructor
Developed and teach course in Graduate, Level,
Education (Curriculum and Instruction)
Developing Training for Business and Industry

Adjunct Faculty

1994 -- Kennedy-Western University - Adjunct Instructor
Written and grade courses for Master's and Ph.D. programs in
Health, Safety and Environmental Protection.
OSHA Compliance - MS level
Environmental Compliance and Technology - PhD level

October 10, 1996

Adjunct Instructor

5.5 years - Argonne National Laboratory
Environment, safety and health courses of instruction, including course design and development.

11 years - USS Division, USX Corporation and U. S. Naval Reserve
Safety, health, environmental protection and explosive safety courses of instruction.

Total Hours Delivering Training
1475 hours

Professional Societies

American Society of Safety Engineers (Professional Member)
National Society for Performance and Instruction
American Society for Testing and Materials
National Coordinating Council on Emergency Management (Professional Member)

Committees and Boards

1979--- U.S. Naval Academy
Information Officer, 1979-present
Coordinator for State of Indiana, 1990---

1983--- Employer Support of the Guard and Reserve
Indiana Committee

1984--- Military Academy Committee
1st Congressional District, Indiana
Chair 1986, 1991

1989--- TRADE (Training Resource and Data Exchange)
Environmental Training Management
Special Interest Group - Chair 1989--
Occupational Safety
Special Interest Group - Chair 1992--
Executive Committee - 1993-95

1992-94 ASTM Committee on Ergonomics
Vice Chair

1994--- Saint Xavier University, *Graham School of Management*
Center for Management Development Advisory Board

October 10, 1996

1994--- Lake Federal Savings & Loan, Hammond, Indiana
Associate Director

1994-95 American Red Cross, Lake County Chapter
Director, Exercise Observer

1987-89 Local Emergency Planning Committee (SARA Title III)
1995-- Lake County, Indiana

1995--Northwest Indiana Business Roundtable
Safety & Health Subcommittee

Publications

Environment, Safety and Health Acronyms, TRADE 1993
published by the Occupational Safety Special Interest Group throughout the Department of Energy system
Acronyms and Definitions for Emergency Management®
Dissertation - *Using Analogies to Learn Abstract, Defined Concepts*
Analogies for Material Safety Data Sheets - ASPEP Journal 1994
Adding Metallurgical Coke to the National Defence Stockpile
National Defense University - 1987

October 10, 1996

** TOTAL PAGE.007 **

DEC 19 1996

Dean Larson, Ph.D.
Safety and Industrial Hygiene
USS - Gary Works
One North Broadway
Gary, IN 46402

Dear Dr. Larson:

Enclosed are amendments to NRC Material Licenses No. 13-07964-07, 13-07964-08 and 13-26104-02 in accordance with your request.

Review the documents carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office so that we can provide appropriate corrections and answers.

We have extended the expiration date on these licenses by five years. Please refer to our letter dated May 7, 1996, which discusses the recent regulatory change that grants a one-time five-year extension for certain licenses.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.

2. Notify NRC, in writing, within 30 days:

   a. When an authorized user or Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or

   b. When the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same)

301999

~~302000~~

3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license:

   a. When you decide to terminate all activities involving materials authorized under the license; or

   b. If you decide not to complete the facility, acquire equipment, or possess and use authorized material.

4. Request and obtain a license amendment before you:

   a. Receive or use byproduct material for any use not permitted by your license;

   b. Permit anyone, except individuals described in the license to work as an authorized user under the license;

   c. Change Radiation Safety Officers;

   d. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;

   e. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or

   f. Change ownership of your organization.

5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action

against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,

Original Signed By
Evelyn R. Matson
Nuclear Materials Licensing Branch

Licenses No.: 13-07964-07, 13-07964-08, and 13-26104-02
Docket Nos.: 030-18249, 030-29080, and 030-32001

Enclosure: Amendments No. 05, 06 and 02

DOCUMENT NAME: M:\03029080.CL6
To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	DNMS/RIII											
NAME	ERMatson:jaw											
DATE	12/13/96											

OFFICIAL RECORD COPY

USS
Gary Works
One North Broadway
Gary, IN 46402

November 24, 1996

U. S. Nuclear Regulatory Commission
Region III
801 Warrenville Road
Lisle, Illinois 60532
ATTN: Ms. Evelyn R. Matson

Control No. 301999
Control No. 302001
Control No. 302002

Dear Ms. Matson:

In response to our telephone conversation on November 20, 1996, the following additional information is provided pursuant to amendment requests to Licenses No. 13-07964-07, 13-07964-08, and 13-26104-02 to change RSO:

Training in Radiation Safety Principles - Dean R. Larson

a. 1965 - 1967: U. S. Navy Officer aboard the USS Algol (AKA-54). A contingency mission of carrying Marine Corps aircraft ammunition required the development of nuclear weapons safety information, including the monitoring for radioactive contamination as a result of a weapons accident. Additional, formal training included five days of NBC (Nuclear, Biological, Chemical) Warfare training. The curriculum included monitoring for radioactive contamination resulting from enemy attack and the biological effects of radiation. Certification of training is not readily available.

b. 1967-1968: Student in U. S. Naval Destroyer School, Newport, RI. The six-month curriculum included NBC Warfare. Certification of training is not readily available.

c. 1968-1970: Weapons Officer and Nuclear Weapons Safety Officer, USS McCloy (DE-1038). Nuclear weapons certified vessel equipped to carry and fire the ASROC (Anti-Submarine Rocket) system (nuclear weapons capable). During my tenure the ship successfully passed one Nuclear Weapons Acceptance Inspection (NWAI) and two Nuclear Weapons Technical

Proficiency Inspections (NTPI). The NWAI and NTPI included certification of proficiency in safeguards and emergency response to weapons related incidents. During one NTPI the ship was awarded a score of 98.6, a record which "stood" for ten years in the Atlantic Fleet. Certification of training is not readily available.

d. 1970-1973. Operations Officer, Personnel Reliability Program (PRP), and Training Officer, USS Shasta (AE-33), an ammunition ship capable of transporting nuclear weapons. Soon after commissioning, the ship passed the initial NWAI with one minor discrepancy, a record performance.

Shakedown Training certified readiness for NBC attack. Certification of training is not readily available.

e. 1973-1976. U. S. Naval Reserve Officer, qualified to stand duty as the Command Duty Officer (CDO), Naval Weapons Station Yorktown, VA. Qualification involved proficiency in responding to emergencies involving weapons. I stood duty on multiple occasions totaling 20 days.

f. 1989-1995. Environment, Safety and Health Training Manager, Argonne National Laboratory, Argonne, Illinois. Job responsibilities involved supervision of the design, development, implementation, and evaluation of radiation safety training. I supervised two Rad Safety trainers, one being a Certified Health Physicist. My professional credentials were reviewed by Health Physics professionals prior to hiring.

As part of my doctoral studies in Instructional research and Design, I designed a 1 1/2 hour course in ESH Orientation which includes the performance objective specified in the Department of Energy mandated *General Employee Radiation Training (GERT)*. I was an instructor for *GERT* for five years. Certification of training attached.

g. Radiation Safety Training (documentation attached):

Principles of Radiation Safety
U. S. Steel Gary Works, March 13-14, 1986

Fundamental Course for Radiological Monitors
Indiana Department of Civil defense and Emergency Management, July 16, 1988

Radiation Safety Training
Texas Nuclear, July 18-29, 1988

Radiation Safety Training
Planning Strategies, Inc., October 31, 1995

Radiological Emergency Management
Suomi College, Hancock, Michigan, 1989
FEMA sponsored home study course

h. Radiation Safety Training (documentation not available)

Radiation Safety Training
U. S. Steel Gary Works, 1979, 1981, 1983

Experience With Fixed Nuclear Gauges - Dean R. Larson

1979-1989. Division Radiation Safety Officer, Coke and Chemicals Division, U. S. Steel Gary Works. Responsible for seventy-two Kay-Ray level devices (Cs-137), associated with the two Precarbon (coal pre-heating) processes and three TN moisture gauges (Am-241). These responsibilities included ensuring training for operating and maintenance personnel, routine surveys, preparedness for emergencies and maintenance of documentation.

I trust this information will satisfy the requirements for approval the change of Radiation Safety Officer. I can be reached at (219) 888-2833 for further elaboration.

Sincerely yours,

Dean R. Larson Ph.D. CSP CEM
Department Manager
Safety & Industrial Hygiene

attachments

REPORT: IE67701
REPORT TIME: 14:54:03

ARGONNE NATIONAL LABORATORY

REPORT DATE: 12/06/94
PAGE: 1

TRAINING PROFILE

39314 Dean R. Larson
COST CENTER: 235 DIVISION: ESH

SUPERVISOR
Robert A. Wynveen 2-3325

COURSE STATUS:
A=ACTIVE
D=DISCONTINUED
TRAINING:
INC=INCOMPLETE

X = ANL/DOE REQUIRED
D = DIVISION REQUIRED
R = RECOMMENDED BY ESH
E = ELECTIVE
( )= NOT CURRENT REQUIREMENT

COURSE NBR	STAT	COURSE NAME	STATUS	ENROLLED	COMPLETED	RETRAINING REQUIRED IN
000100	A	ES&H Orientation (GERT)	(X)		07/30/92	
000101	D	General Employee Radiation Safety	(X)		10/04/89	
000104	D	Radiation Safety Orientation	(X)		04/24/89	
000105	D	Refresher - 8 Hour Hazardous Waste Site Operations Training for Supervisors	(X)		05/01/91	
000108	D	Building / Facilities Safety Orientation	(X)		07/09/92	
000122	A	Hazardous Materials Awareness	X			
000124	D	Chemical Waste Generator for Support Personnel	(X)		10/31/91	
000128	A	Life Safety Code Training	X		06/10/92	
000129	A	Environmental Protection Requirements Training	X		08/22/90	
000140	A	911 Video	X		07/30/92	
000151	D	ECR Qualification Training	(X)		06/19/90	
000196	A	Hazard Communication	(X)		07/30/92	

ARGONNE NATIONAL LABORATORY

TRAINING PROFILE

39314 Dean R. Larson
COST CENTER: 235 DIVISION: ESH

SUPERVISOR
Robert A. Wynveen 2-3325

COURSE STATUS:
A=ACTIVE
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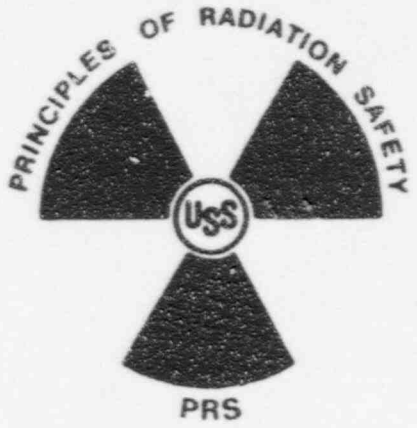
X = ANL/DOE REQUIRED
D = DIVISION REQUIRED
R = RECOMMENDED BY ESH
E = ELECTIVE
( )= NOT CURRENT REQUIREMENT

COURSE NBR	STAT	COURSE NAME	STATUS	ENROLLED	COMPLETED	RETRAINING REQUIRED IN
000700	A	Radiation Worker Training Level I	X		12/16/92	
000701	A	Radiation Worker Training Level I - Practical Exercise	X		12/16/92	
000716	A	Refresher - Radiation Worker Training Level I	X		04/18/94	05 MOS.
000718	A	Radiation Worker Training Level I - Retraining	X			EXPIRED
108202	A	Building/Facilities Safety Orientation - Building 202	X		10/01/93	EXPIRED
000217	A	30-Hour OSHA Hazard Recognition Course for Construction	D		04/23/92	
000387	A	Basic Hazardous Materials Modular Training Core	D		02/26/93	03 MOS.
000400	A	ESH Safety Meeting	D		12/21/93	
000548	A	Excavation, Trenching and Shoring	D		04/24/92	
000550	A	Transportation Safety Manual Orientation	D		06/29/92	
000578	A	Conduct of Operations	D		09/18/92	
000647	A	Orientation to ORPS	D		08/05/92	



PRINCIPLES OF RADIATION SAFETY

Gary Works Complex

Presented to

DEAN R. LARSON

For successful completion
of the Principles of Radiation Safety Course

MARCH 13, 1986
Date

Robert L. Clark
Course Instructor

Ken H. Koch
Plant Chairman Radiation Committee

George Bradley Jr.
Plant Radiation Safety Officer

James F. Lynch
Corporate Chairman Radiation Committee

Indiana Department of Civil Defense and Emergency Management

Awards this certificate to

Dean R. Larson, United States Steel Corporation

In recognition of the satisfactory completion of

Fundamental Course for Radiological Monitors: Included was radiation detection, radiological instrumentation, proper monitoring techniques, safety and emergency procedures. 8 hour course

Conducted at

Highland Fire Station 2, 2647 West 45th Avenue, Highland, Indiana.
Sponsored by: Lake County Local Emergency Response Commission.

William J. Patterson
Director
Indiana State Civil Defense

Saturday, July 16, 1988

Certificate of Training

This is to certify that

DEAN R. LARSON

Has Successfully Completed

RADIATION SAFETY TRAINING

sponsored by Texas Nuclear Corporation

TEXAS NUCLEAR
A Baker Hughes company

Issued 19TH Day Of JULY, 19 88

W. Hendrick

W. G. HENDRICK, HEALTH PHYSICIST

CERTIFICATE
OF Training

This certifies that

Dean Larson

has completed "Radiation Safety Training"
conducted by Planning Strategies, Inc.
for USS Gary Works

Mary E. Goodlund
Principal, PSI

October 31, 1995

SUOMI COLLEGE

HANCOCK, MICHIGAN 49930

ACADEMIC RECORD

SECURITY NUMBER	STUDENT NAME	BIRTHDATE	SEX
311448429	LARSON CAPT. DEAN R		

HIGH SCHOOL NAME	HIGH SCHOOL LOCATION	GRADUATION DATE

CURRICULUM	ADVISOR	TRANSFER CREDIT
EMERGENCY MANAGEMENT		

COURSE NUMBER	COURSE TITLE	CREDITS	GRADE	HONOR POINTS
COURSES COMPLETED THROUGH THE EMERGENCY MANAGEMENT INSTITUTE				
EM101	EMERGENCY PROGRAM MANAGER	1	P	
EM102	EMERGENCY MANAGEMENT USA	1	P	
EM103	RADIOLOGICAL EMER. MGMT.	1	P	
EM104	PREPAREDNESS/NUCLEAR CRIS	1	P	

TRANSCRIPT ISSUED TO STUDENT

NOT PERMISSIBLE TO RELEASE INFORMATION TO A THIRD PARTY--Family Educational Rights & Privacy Act of 1974, as amended. GOOD STANDING UNLESS OTHERWISE INDICATED. TRANSCRIPT NOT OFFICIAL UNLESS IT BEARS EMBOSSED SEAL.

Kristin J. Tepsa, Registrar

Issued:

AUG 11 1989

A GRADE OF "P" MEANS THIS COURSE WAS COMPLETED WITH A SCORE OF 75% OR BETTER.

SESSION	SEMESTER				CUMULATIVE			
	CREDITS ATTEMPTED	CREDITS EARNED	HONOR POINTS	GRADE PT AVERAGE	CREDITS ATTEMPTED	CREDITS EARNED	HONOR POINTS	GRADE PT AVERAGE

GRADING SYSTEM

A = 4 = OUTSTANDING
B = 3 = SUPERIOR
C = 2 = AVERAGE
D = 1 = BELOW AVERAGE + PASSING
F = 0 = FAILURE
WF = WITHDRAWAL FAILING
W = WITHDRAWAL
WP = WITHDRAWAL PASSING
I = INCOMPLETE
U = AUDIT
T = TRANSFER

DEAN'S LIST
4.00 — 3.50 GPA

HONORS
3.49 — 3.00 GPA

PROBATION
1.49 — 00 GPA

CREDITS = SEMESTER HOURS

LARSON CAPT. DEAN R
5900 OLD PORTER RD #307
PORTAGE IN 46368

7/25/89

UNITED STATES NUCLEAR REGULATORY COMMISSION
REGION III
CONVERSATION RECORD

(X) TELEPHONE (X) OUTGOING ( ) INCOMING ( ) CONVERSATION TIME: DATE: 11/20/96

NAME OF PERSON(S) CONTACTED: ORGANIZATION: TELEPHONE NO.:

Dean R. Larson
U.S. Steel
219-888-2833
fax 219-

SUBJECT:

Amendment requests to Licenses No. 13-07964-07, 13-07964-08, and 13-26104-02 to change RSO.

SUMMARY:

The NRC needs that following additional information:

Your letter dated October 16, 1996, did not contain sufficient information for me to determine the adequacy of the proposed RSO's training and experience with fixed nuclear gauges and radiation safety principles. As a minimum, the proposed RSO should attend (and/or document) training and instruction that is provided by a device manufacturer. A copy of the training certificate issued by the trainer is acceptable. Equivalent training and instruction is acceptable. If equivalent training is given, provide an outline of the training, the topics covered, duration, and show its equivalency to the training offered by the device installer. You should specify the name of the instructor or company who provided the training.

I will continue my review when this additional information is received.
If you have any questions, do not hesitate to call me.

ACTION REQUIRED:

Please respond in writing within 15 days, provide two copies of your response and refer to Control Nos. 301999, 302001, and 302002.

ACTION TAKEN:

NAME OF PERSON DOCUMENTING CONVERSATION SIGNATURE DATE

Evelyn R. Matson
630-829-9822

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

November 4, 1996

Dean Larson, Ph.D.
Radiation Safety Officer
USS - Gary Works
1 North Broadway MSM42
Gary, IN 46402

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE
(Letter Dated 10/16/96)

Dear Licensee:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n):

___ New License X Amendment ___ Renewal
___ Termination ___ Auth User (Amendment not required)
___ Other_____

No administrative deficiencies were identified during this initial review. However, it should be noted that a technical review may identify omissions in the submitted information.

It appears that your request is routine (see 1-3 below, as applicable).

1. New and amendment actions are normally processed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance.

2. Renewal actions are normally processed within 180 days, however, under timely filing (before expiration), you may continue to operate under your existing license.

3. Termination actions are normally processed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

A copy of your correspondence has been forwarded to our Licensing Fee and Debt Collection Branch (301/415-6097) for approval of the fee category and amount, if required.

If you have a compelling safety or business-related reason for requesting expedited review, please contact the Materials Licensing Branch at (630) 829-9087. We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number.

Nuclear Materials Support Branch

Mail Control No. 301999
License No. 13-26104-02