



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 25 TO

AMENDED FACILITY LICENSE NO. R-103

THE UNIVERSITY OF MISSOURI AT COLUMBIA

DOCKET NO. 50-186

1.0 INTRODUCTION

By letter dated December 10, 1993, the University of Missouri at Columbia (UMC or the licensee) submitted a request for amendment of Appendix A of Amended Facility License No. R-103, Technical Specifications for the University of Missouri at Columbia Research Reactor (MURR). The requested change would revise the due date to the Nuclear Regulatory Commission (NRC) for submitting the facility annual report.

2.0 EVALUATION

The licensee had requested a change to Technical Specification (TS) 6.1.h.(4) concerning submission to the NRC of a facility annual report on reactor operation. TS 6.1.h.(4) currently reads:

An annual report on reactor operation due 60 days following each fiscal year to include:...

UMC has proposed that this be changed to:

An annual report on reactor operation due 60 days following each calendar year to include:...

This request would change the report period from July 1 - June 30, to January 1 - December 31. The licensee has requested this change because the revision of 10 CFR Part 20, "Standards for Protection Against Radiation," which became effective January 1, 1994, states dose and effluent release limits in annual terms. This change will allow the annual report period to coincide with the regulations. To transition to the new reporting period, the

licensee has proposed submitting a six month period report to cover the time from July 1, 1993, when the last annual reporting period ended, to December 31, 1993.

This change in annual report period is acceptable to the staff because reports will continue to be submitted on an annual frequency within 60 days of the end of the reporting period, and because the licensee has committed to submit a six month report to transition to the new reporting period.

3.0 ENVIRONMENTAL CONSIDERATION

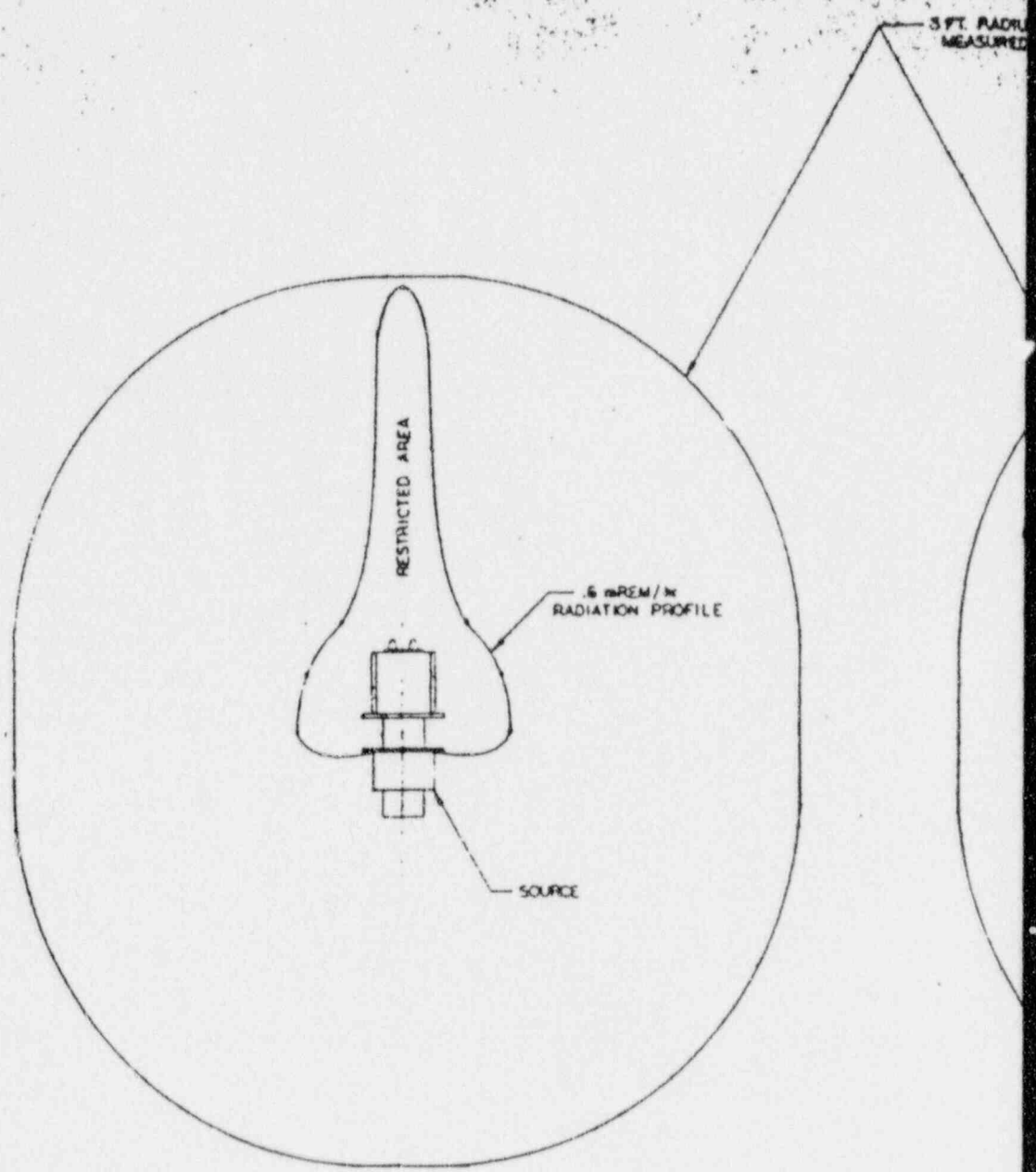
This amendment involves changes in recordkeeping, reporting, or administrative procedures or requirements. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b), no Environmental Impact Statement or Environmental Assessment need be prepared in connection with the issuance of this amendment.

4.0 CONCLUSION

The staff has concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously evaluated, or create the possibility of a new or different kind of accident from any accident previously evaluated, and does not involve a significant reduction in a margin of safety, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by the proposed activities, and (3) such activities will be conducted in compliance with the Commission regulations and the issuance of this amendment will not be inimical to the common defense and security or the health and safety of the public.

Principal Contributor: A. Adams, Jr.

Date: March 2, 1994



OUTLINE OF THE RESTRICTED AREA ZONE
 (.6 mREM/hr. AND GREATER) FOR AIR LIFE
 GAZE WITH MOON, 85-SA SOURCE (SERIAL
 9998A). MEASUREMENTS WERE MADE
 4/21/63 WITH VICTOREEN ION CHAMBER
 SURVEY METER MODEL 471 WITH THE
 BEAM PORT OPEN.

SAFETY ZONE
FOR GAGE

6 m REM/hr
RADIATION PROFILE

RESTRICTED AREA

SOURCE

ANALOG
ANALOG
CARD
Also Available on
Structure Card

9403070032-02

117481

OFFICIAL RECORD COPY ML 10

REVISED	DATE	BY	COMMENT
			RADIATION FIELD FOR LIFE GAGE
			1/8 INCH
			A
			1996
INTEGRATED MONITORING SYSTEMS 20 WALLACE ST. MALLARDVILLE, ONTARIO			SK-0073

NMSB TELEPHONE CONVERSATION RECORD

DATE OF CALL: 6/11/93

TIME OF CALL: 3:00

PERSON CALLED: Gerard Gaudreau
(OUTGOING CALL)

PHONE NUMBER: 203-269-2507

PERSON CALLING: _____
(INCOMING CALL)

FACILITY NAME: Ulbrich Stainless Steel

LICENSE NO. 06-12357-01

DOCKET NO. 030-03835

SUBJECT: Need For complete Renewal Application.

SUMMARY:

I reminded him that I had called him in February requesting a complete and up-to-date application. He stated he had forgotten and would start work on it immediately.

ACTION REQUIRED/TAKEN:

SIGNATURE: SZ/S

MAIL CONTROL NO. 117481

Ulberich Stainless Steel

203-265-5796

203-239-4481

NMSB TELEPHONE CONVERSATION RECORD

DATE OF CALL: 2/4/93

TIME OF CALL: 11:15

PERSON CALLED: George P. Gaudreau PHONE NUMBER: 203-239-4481
(OUTGOING CALL)

PERSON CALLING: _____
(INCOMING CALL)

FACILITY NAME: W. Krich Stainless Steels & Special Metals, Inc

LICENSE NO. 06-12357-01 DOCKET NO. 230-03835

SUBJECT: Renewal Application MC # 117481

SUMMARY: 1) Please submit a complete and up-to-date application.

ACTION REQUIRED/TAKEN: MS 15

SIGNATURE: SWS

MAIL CONTROL NO. 117481

DEC 30 1992

Docket No. 030-03835
License No. 06-12357-01
Control No. 117481

Ulbrich Stainless Steels and
Special Metals Inc.
ATTN: Gerard P. Coudreau
Environmental and Industrial
Engineer Manager
1 Dudley Avenue, P.O. Box 610
Wallingford, Connecticut 06492

Dear Mr. Coudreau:

Subject: LICENSE RENEWAL APPLICATION

This is to acknowledge receipt of your application for renewal of material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

Any correspondence regarding the renewal application should reference the control number specified above.

Sincerely,

Original Signed By:
Sheryl Villar
Sheryl Villar, Chief
Licensing Assistance Section
Division of Radiation Safety
and Safeguards

mat
12/30/92 (52)
12/30/92

NRC FORM 313
19 927
10 CFR 30.32.33
34, 35 and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB NO 3150-0120
EXPIRES 6/30/93

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST 325 HRS FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNB 7714) U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON DC 20555 AND TO THE PAPERWORK REDUCTION PROJECT (3150-0120) OFFICE OF MANAGEMENT AND BUDGET WASHINGTON DC 20503

APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW

APPLICATIONS FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY, NMSS
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIALS SAFETY SECTION 3
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
NUCLEAR MATERIALS SAFETY SECTION
101 MARIETTA STREET, SUITE 2900
ATLANTA, GA 30332

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
NUCLEAR MATERIALS SAFETY SECTION
1460 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94598

030-03835
X

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION

1. THIS IS AN APPLICATION FOR (Check appropriate item):

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER
- C. RENEWAL OF LICENSE NUMBER 06-12357-01

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code):
Ulbrich Stainless Steels & Special Metals, Inc.
P.O. Box 610, One Dudley Ave
Wallingford, CT 06492

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

Same

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Gerard P. Goudreau

TELEPHONE NUMBER

203-239-4481

SUBMIT ITEMS 5 THROUGH 11 ON 8 1/2 x 11 PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE

5. RADIOACTIVE MATERIAL
a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS

See #7

9. FACILITIES AND EQUIPMENT

n/a

10. RADIATION SAFETY PROGRAM

Same as previously submitted

11. WASTE MANAGEMENT

n/a

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY Renewal AMOUNT ENCLOSED \$ 540.00

13. CERTIFICATION (Must be completed by applicant): THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION

SIGNATURE - CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

Gerard P. Goudreau

Gerard P. Goudreau

Environ / Industrial Engineering mgr.

11/24/92

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS
<u>REN</u>	<u>Dec 12^F</u>	<u>3P</u>	

AMOUNT RECEIVED	CHECK NUMBER
<u>7540</u>	<u>117358</u>

APPROVED BY

B. Brown

DATE

12/23/92

Ulbrich Stainless Steels & Special Metals, Inc.
1 Dudley Avenue
Wallingford, CT 06492

Attachment Page 1

5. RADIOACTIVE MATERIAL

L I N E	ELEMENT AND MASS NUMBER	CHEMICAL AND/OR PHYSICAL FORM	NAME OF MANUFACTURER AND MODEL NUMBER	MAXIMUM NUMBER OF MILLICURIES AND/OR SEALED SOURCES & MAXIMUM ACTIVITY PER SOURCE
NO.	A.	B.	C.	D.
1.	Krypton 85	Sealed Source	Accuray Corp. U4	500MC-1 Source
2.	Americium-241	Sealed Source	LFE Corp. OLMC 50	100MC-2 Source
3.	Americium-241	Sealed Source	LFE Corp. OLMC 50	100MC-2 Sources
4.	Americium-241	Sealed Source	LFE Corp. OLMC 50	100MC-2 Sources
5.	Americium-241	Sealed Source	LFE Corp. OLMC 50	100MC-2 Sources

6. PURPOSE FOR WHICH LICENSED MATERIAL WILL BE USED

To be used in respective Accuray Corp. Models U4, and LFE Corp. Models OLM 50 Source Units for the purpose of measuring thickness of metal strips on Sendzimir Rolling Mills and 4Hi-Rolling Mills. Mills are operated on a 40-hour-a-week shift. Ambient temperature does not exceed 90°F in mill area. Normal distance of single operation from source is 8-10 feet 90% of the time, 3 feet approximately 10% of the time. No more than two sources will be used simultaneously on any given unit. Units are fixed to each mill and will not be transported. No employee of Ulbrich Stainless Steels will be allowed to enter the Source units. They are prevented by a series of locks with keys held only by Industrial Nucleonics (Accuray) and L.F.E. Corp. qualified persons supervised by those listed in Item #7.

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

: (FOR LFMS USE)
: INFORMATION FROM LTS
: -----
: PROGRAM CODE: 03120
: STATUS CODE: 2
: FEE CATEGORY: 3P
: EXP. DATE: 19921231
: FEE COMMENTS: -----
: DECOM FIN ASSUR REQD: N
: ::::::::::::::::::::::::::::::::::::::

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: ULBRICH STAINLESS STEELS & SPECIAL
RECEIVED DATE: 921127
DOCKET NO: 3003835
CONTROL NO.: 117481
LICENSE NO.: 06-12357-01
ACTION TYPE: RENEWAL

2. FEE ATTACHED

AMOUNT: \$540.00
CHECK NO.: J19358

3. COMMENTS

SIGNED R. J. Brown
DATE 12/4/92

8. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED)

1. FEE CATEGORY AND AMOUNT: 3P \$540

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT -----
RENEWAL -----
LICENSE -----

3. OTHER -----

SIGNED R. J. Brown
DATE 12/4/92