

VOID SHEET

TO: License Fee Management Branch

FROM: RIII - \_\_\_\_\_

SUBJECT: VOIDED APPLICATION

Control Number: 301290

Applicant: Overhoff Technology Corp

License Number: 34-18214-01

Docket Number: 030-14669

Date Voided: 7-24-96

Reason for Void: Agreed to by licensee in Telecom on 7-24-96.  
Submission not definitive, only in planning stage. Fee not paid  
voided after review

Loren Hunter 7-24-96  
Signature Date

Attachment:  
Official Record Copy of  
Voided Action

FOR LFMB USE ONLY

- ☐ Refund Authorized and processed  
☒ No Refund Due  
☐ Fee Exempt or Fee Not Required

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Log completed ☒

Processed by: SAC 9/24/96

0/1  
ML  
34  
SD

BETWEEN:

(FOR LFMS USE)  
INFORMATION FROM LTS

LICENSE FEE MANAGEMENT BRANCH, ARM  
AND  
REGIONAL LICENSING SECTIONS

PROGRAM CODE: 03213  
STATUS CODE: 2  
FEE CATEGORY: 3B 3N 3P  
EXP. DATE: 19950531  
FEE COMMENTS: DIS IS UNDER -02G  
DECOM FIN ASSUR REQD: N  
.....

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED  
APPLICANT/LICENSEE: OVERHOFF TECHNOLOGY CORPORATION  
RECEIVED DATE: 960409  
DOCKET NO: 3014669  
CONTROL NO.: 301290  
LICENSE NO.: 34-18214-01  
ACTION TYPE: AMENDMENT

2. FEE ATTACHED  
AMOUNT: 0  
CHECK NO.: 0

3. COMMENTS

SIGNED  
DATE

*D. Harsey*  
3-13-96

*add  
APP.*

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

1. FEE CATEGORY AND AMOUNT: *3B 3N 3P 1D*

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:  
AMENDMENT ☒  
RENEWAL ☐  
LICENSE ☐

3. OTHER

SIGNED  
DATE

ABANDONED/FEE UNPAID

Log	<i>May B III</i>
Remitter	
Check No.	
Amount	
Fee Category	<i>3B 3N 3P</i>
Type of Fee	<i>AMD</i>
Date Check Rec'd	
Date Completed	
By:	

## LICENSE FEE REQUIREMENTS

LICENSE FEE AND DEBT COLLECTION BRANCH  
DIVISION OF ACCOUNTING AND FINANCE  
OFFICE OF THE CONTROLLER  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

Overhoff Technology Corporation  
ATTN: M. W. Overhoff  
President  
P. O. Box 182  
1160 U.S. Route 50  
Milford, Ohio 45150-9705

## TYPE OF ACTION

NEW LICENSE

RENEWAL OF LICENSE

☐ AMENDMENT TO LICENSE

REQUESTED DATE

4-4-96

LICENSE NUMBER

34-18214-01

CONTROL NUMBER

301290

### I. APPLICATION FEE DUE

Your request for a licensing action is subject to the fee(s) in the category(ies) noted below in accordance with Section 170.31 of the enclosed Federal Register notice. Payment of the fee is required prior to the issuance of the license, renewal, or amendment.

[illegible]

FEE(s) DUE	\$	<del>570.00</del>
PAYMENT RECEIVED	\$	0.00
AMOUNT DUE	\$	<del>570.00</del>

Your request was received without the prescribed application fee.

We received your Check  
No. \_\_\_\_\_ in the amount of  
\$ \_\_\_\_\_ Payment of the additional fee noted  
above is required.

Your request will increase the scope of your license program. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(d)(2).

Your license expired prior to the receipt of your application for renewal. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote \*(a).

MAKE PAYMENT OF THE FEE(S) TO THE U.S. NUCLEAR REGULATORY COMMISSION AND MAIL THE PAYMENT TO THE ADDRESS LISTED AT THE TOP OF THIS FORM. IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS FROM THE DATE LISTED BELOW, WE SHALL ASSUME THAT YOU DO NOT WISH TO PURSUE YOUR APPLICATION AND WILL VOID THIS ACTION.

## II. FEE NOT REQUIRED

Enclosed is Check No. \_\_\_\_\_ which accompanied your request. The fee is not required because:

We received your Check  
No. \_\_\_\_\_ in payment of  
the fee \_\_\_\_\_

The Licensing staff has informed us that your request is to be considered as a continuation of your request dated

Control No. \_\_\_\_\_

Your request was combined, prior to review, with your request, Control No.

## III. CHECK RETURNED

Enclosed is Check No. \_\_\_\_\_ which was returned to us  
by the bank for: \_\_\_\_\_

INSUFFICIENT FUNDS

ACCOUNT CLOSED

OTHER

MAIL THE REPLACEMENT CHECK TO THE ADDRESS LISTED AT THE TOP OF THIS FORM AND REFERENCE THE ABOVE CONTROL NUMBER

## IV. LICENSE ISSUED WITHOUT THE REQUIRED FEE

License No. \_\_\_\_\_ Amendment No. \_\_\_\_\_ issued on \_\_\_\_\_

was issued without the required fee being collected. The fee required is noted in Section I of this

The scope of your licensed program was increased. Therefore, your request is subject to the application fee(s) noted in Section 1 of this form. Refer to Section 170.31 and Footnote 1(d)(2).

Because of the urgency of your request, the license was issued without remittance of the prescribed fee noted in Section 1 of this form.

SIGNATURE -- LICENSE FEE ANALYST

DATE \_\_\_\_\_

(LEAVE BLANK)



OVERHOFF  
TECHNOLOGY  
CORPORATION

P.O. BOX 182

1160 U.S. ROUTE 50

MILFORD, OHIO 45150-9705

(513) 248-2400 TELEPHONE

(513) 248-2402 FACSIMILE

United States Nuclear Regulatory  
Commission  
Region III  
801 Warrenville Road  
Lisle, IL 60532-4351  
Attn: Ms. Cassandra Frazier

April 4, 1996

Dear Ms. Frazier,

We would like to ask you to give us permission to receive some very small quantities of fissile materials to be used for research towards the development of a new product.

12 #580  
The materials in question are natural Uranium (for which no license is required), Neptunium 237, and, more importantly Plutonium 239.

We plan to use these in the form of a thin layer (typically 1 mgm/cm<sup>2</sup> or less) deposited on a thin metal (aluminum) sheet. Technically speaking, these are called fission foils. They are used for the active elements in instrumentation to monitor neutron flux in reactors and other such applications.

The quantities of material are, as you can see, extremely small. With your permission, we should get a couple of foils, certainly less than 100 cm<sup>2</sup>, to do some experimentation.

To my knowledge, there are only four suppliers that can be considered.

1. The Source (Santa Fe, NM)
2. Isotope Products (Burbank, CA)
3. North American Scientific (North Hollywood, CA)
4. Amersham (Arlington Heights, IL)
5. Reactor Experiments (Sunnyvale, CA)

You told me on the phone that you needed "standard" documentation from the suppliers to be used for "license review". I will transmit this request to any and all of the four potential suppliers listed above. However, again, and this is only my own thought, is this not a bit premature, since these foils are only being used for very preliminary R & D testing, and the later foils will undoubtedly be different. Also, we will only need a few to begin with. Still, I need to ask.

We plan to assemble a couple of our breadboard prototype devices, and then see who we can ask to help us test them for performance and associated characteristics.

ABANDONED/FEE UNPAID

RECEIVED

APR 09 1996

REGION III

301290

US NRC  
Page 2  
April 4, 1996

We have already spoken to one gentleman at Battelle North West, who promised to see what he can do. We can also do some testing here at EG & G Mound Technologies, and there is, presumably, a possibility of doing testing at Brookhaven National Laboratories, as well as Los Alamos National Laboratories, and, perhaps, the Navy at Charleston, S.C. At this moment, I don't yet know, we may very well go to visit more than one of these laboratories. We hope that they will be able to help us at no charge.

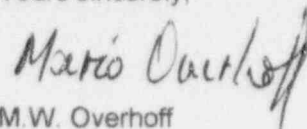
The devices, containing these foils, will remain in my personal possession at all times, or left in the custody of a responsible individual at the laboratory for temporary periods of time if unavoidable.

I assume that the laboratories already have authorization from the NRC or DOE. If the testing is successful, then we can proceed to exhibit the prototypes to potential customers in order to get "feedback" on which to base design changes and to help determine the configuration of a device which will appeal to the market place.

When this is done, we would contact you again and give you more complete and detailed information on these devices (product) so that some formal licensing process could be initiated.

Ultimately, we hope that this will result in a successful product, for health physics purposes, for the nuclear and medical community. I hope you can help us.

Yours sincerely,



M.W. Overhoff  
President

Encl.: letter to suppliers

cc: Morgan Cox

MWO/ds



**OVERHOFF  
TECHNOLOGY  
CORPORATION**

P.O. BOX 182

1160 U.S. ROUTE 50

MILFORD, OHIO 45150-9705

(513) 248-2400 TELEPHONE

(513) 248-2402 FACSIMILE

The Source Inc.  
2810 Siler Lane  
Santa Fe, NM 87501

April 4, 1996

Gentlemen,

We are in the process of laying the ground work for a new product for our company.

This product will include a small "fission foil".

This foil will consist of a small aluminum (or other metal or even plastic) plate, with a thin deposit of fissile material. The deposit is to be only on one side.

Materials in question are:

1. Natural Uranium
2. Neptunium 237
3. Plutonium 239

Thickness of deposit has yet to be determined, but will be of the order of milligrams per square centimeter.

The size of the foils also has yet to be determined, but may lie in the range of 3 x 4 cm or perhaps smaller.

We will, for a start, require only a few of these foils, perhaps 10, and possibly only of Uranium and Plutonium. I don't fully know yet.

If our initial trials, with these foils are successful, we plan to firm up the design of our new product and ultimately go into production with significant quantities.

We would ask you to advise us if you are interested in working with us on this project, if you happen to have such material on hand, if you would want to charge us for a sample, if so, how much, and what time frame we should expect.

With best regards,

*Mario Overhoff*

M.W. Overhoff  
President



DATE: 4-12-96

CORRESPONDENCE CLARIFICATION SHEET

REVIEWER: ~~John Madera~~ FRAZIER  
LICENSEE: 34-18214-01  
LICENSE NUMBER: OVERHOFF TECH.

The following correspondence has been received from the above licensee and it is not clear what action(s) is(are) required: Please review this correspondence and indicate which of the following applies, and please return to Debbie Hersey, as soon as possible.

- ☐ Additional Information to Control No. \_\_\_\_\_.  
Process in as a new action, additional information, and no fee required.
- ☐ Process as new licensing action. Review has already been started on Control No. \_\_\_\_\_ and this information cannot be combined with current in-house action.
- ☐ Can be combined with Control No. \_\_\_\_\_. Review has not been started.
- ☐ Appears to be a(n) amendment to -01 license.
- ☐ Appears to be information for the license file - file it.
- ☐ Licensee is adding Nuclear Pharmacists.  
Amendment is necessary \_\_\_\_\_. Amendment is not necessary \_\_\_\_\_.  
(Information for license file)
- ☐ Licensee is adding authorized users.  
A check is included \_\_\_\_\_. No check is included \_\_\_\_\_.  
Amendment is necessary \_\_\_\_\_. Amendment is not necessary \_\_\_\_\_.  
(Information for the license file)
- ☐ Other: \_\_\_\_\_

Thank You For Your Help!!!

02/02/95

AUG 28 1996

M. Overhoff, Ph.D.  
President  
Overhoff Technology Corporation  
P. O. Box 182  
1160 U.S. Route 50  
Milford, OH 45150

Dear Dr. Overhoff:

This letter confirms the telecon on July 24, 1996, that Kevin Null of our staff and I, had with you regarding your amendment request by way of letter dated April 4, 1996, which was assigned Control No. 301290. We have voided this action, with your concurrence, because the research activities proposed were in the early planning stage and the submission lacked definition on which to base an evaluation of the research work.

Also, listed below is the additional information you should address when you request us to reactivate this voided action. You should also enclose the appropriate amendment fee in effect at that time in that the amendment fee has not been paid.

1. Foil Information
  - a. For each radionuclide, specify the number of foils to be possessed.
  - b. Make and model number as listed in the Sealed Source and Device Registry for each type of foil, if registered.
  - c. If not registered, provide for each type foil, where it was obtained, made by whom, under what license number, foil backing material and maximum activity per foil.

2. Description of Activities and Radiation Safety Measure Prior to Irradiation and Testing

Describe all physical processes you will perform on the foils e.g. cutting, welding of electrodes etc. in preparation of your prototype devices. Also, described your facilities, equipment and procedures for handling the material and conducting these activities in order to control activity in the breathing zone, work area, and effluents, and to control contamination of personnel, equipment and facilities.

301290



3. Storage and Security

Describe your facilities and procedures for storage and security of the foils and any radwaste that may be generated.

4. Disposal

Describe your provisions for disposal of any waste, unused foils, etc.

5. Transportation

Describe how the foils or prototype devices will be transported from both your facility to the irradiation facility and return to your facility.

6. Description of Activities at Independent Laboratory

Clarify at which specific laboratory the "testing" will be done. Clarify that irradiation of the foil will be either coincident to or prior to the testing? Specify the maximum radiation levels expected at time of removal of foil from the reactor/irradiator and describe surveys and handling procedures to minimize exposures. Clarify whether the irradiation and testing at the laboratory will be done under the authority and control of their license or yours. If done under yours, provide details of procedures.

7. Description of Testing at Licensee Facility

Describe what further testing, if any, will be done back at your facility following the irradiation.

8. User Control

Confirm that the fission foils for research and development will be used by or under the supervision and in the physical presence of Mario W. Overhoff.

Sincerely,

Original Signed By  
Loren Hueter  
Nuclear Materials Licensing Branch

License No. 34-18214-01  
Docket No. 030-14669

DOCUMENT NAME: M:\03014669.DF6

To receive a copy of this document, indicate in the box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

OFFICE	DNMS/RIII								
NAME	LHUETER:jaw								
DATE	08/08/96								

OFFICIAL RECORD COPY

## CONVERSATION RECORD

TIME

DATE

7-24-96

☐ VISIT☐ CONFERENCE☒ TELEPHONE☐ INCOMING☒ OUTGOING

NAME OF PERSON(S) CONTACTED OR IN CONTACT

ORGANIZATION (OFFICE, DEPT. ETC.)

TELEPHONE NO.

Mario Overhoff, Ph.D.  
Pres.Overhoff Technology  
Corp513-  
248-2400

SUBJECT

CN 301290

SUMMARY

Kevin and I called Mario to suggest this action be voided in that it appears to be in early planning stage is not definitive in nearly any area. Mario agreed that we void the action in that no work with licensed material is imminent. Further he stated that early work may involve activities not requiring a specific license. Further, he related that he has not paid the amendment fee. Also, we agree to send him a letter outlining additional information he will need to provide if and when he decides to reactivate this voided action.

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

Loren Hunter

7-24-96

ACTION TAKEN

Voided CN 301290

SIGNATURE

TITLE

DATE