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**ROUTING AND TRANSMITTAL SLIP**

Date 7/5/85

TO: (Name, office symbol, room number, building, Agency/Post)	Initials	Date
1. <del>Maureen Moriarity</del> <i>M</i>		
2. Eloise Barry		
3. Clara Covington		
4. Ginny Tharpe (for info.)		
5.		

Action	File	Note and Return
Approval	For Clearance	Per Conversation
As Requested	For Correction	Prepare Reply
Circulate	For Your Information	See Me
Comment	Investigate	Signature
Coordination	Justify	

**REMARKS**

The attached Amendment No. 1 for Union Carbide is a transfer of license. Docket 70-687 License No. SNM-639  
 Please note new name, etc. Union Carbide to  
 Cintichem, Inc.  
 Sterling Forest Research Center  
 Tuxedo, New York 10987

ATTN: Mr. Stuart J. Somerville

Thanks,

**DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions**

FROM: (Name, org. symbol, Agency/Post)	Room No.—Bldg.
	Phone No. 74205

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\* GPO : 1982 O - 381-529 (223)

**OPTIONAL FORM 41 (Rev. 7-76)**  
Prescribed by GSA  
FPMR (41 CFR) 101-11.206

JUL 02 1985

Docket No. 70-687

Mr. Stuart J. Somerville  
Cintichem, Inc.  
Sterling Forest Research Center  
Tuxedo, New York 10987

Dear Mr. Somerville:

Subject: Transfer of License No. SNM-639 from Union Carbide Corporation  
to Cintichem, Inc.

The staff has completed its evaluation of the December 28, 1984, request for transfer of Special Nuclear Materials License No. SNM-639 from Union Carbide Corporation (UC) to Cintichem, Inc. (CI). This amendment authorizes CI to acquire by transfer all right, title and interest to all real and capital assets of the Sterling Forest facility. CI will also obtain in the transfer all of the UC personnel now operating the facility, and will maintain the existing management structure for handling special nuclear material. Operation and safety will be maintained in compliance with the Code of Federal Regulations, Title 10, Chapter I:

In accordance with your request and the information provided in your application, the Nuclear Regulatory Commission has issued License Amendment No. 1 to Materials License No. SNM-639 changing the name of the licensee from Union Carbide Corporation to Cintichem, Inc.

The license amendment and staff evaluation of the license transfer are enclosed.

Sincerely,

Original signed by  
Leland C. Rouse

Leland C. Rouse, Chief  
Advanced Fuel and Spent Fuel  
Licensing Branch  
Division of Fuel Cycle and  
Material Safety

Enclosures: As stated

OFC: FCAF	: FCAF	: ELD	: SGM	:	:	:
NAME: ATClark	: flb: LCRouse	: RFonner	: WBrown	:	:	:
DATE: 5/20/85	: 5/21/85	: 5/27/85	: 5/28/85	:	:	:

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Distribution:  
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Docket 70-687  
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FCAF R/F  
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DWeiss  
GBennington, SGMT  
WBrown, SGFF

Docket No. 70-687

Union Carbide Corporation  
ATTN: Mr. James McGovern  
Business Manager, Radiochemicals  
Sterling Forest Research Center  
Tuxedo, New York 10987

Gentlemen:

Subject: Transfer of License No. SNM-639 from Union Carbide Corporation  
to Cintichem, Inc.

The staff has completed its evaluation of the December 28, 1984, request  
for transfer of Special Nuclear Materials License No. SNM-639 from  
from Union Carbide Corporation (UC) to Cintichem, Inc. (CI). This  
amendment authorizes CI to acquire by transfer all right, title and  
interest to all real and capital assets of the Sterling Forest  
facility. CI will also obtain in the transfer all of the UC personnel  
now operating the facility, and will maintain the existing management  
structure for handling special nuclear material. Operation and safety  
will be maintained in compliance with the Code of Federal Regulations,  
Title 10, Chapter I.

In accordance with your request and the information provided in your  
application, the Nuclear Regulatory Commission has issued License  
Amendment No. 1 to Materials License No. SNM-639 changing the name of  
the licensee from Union Carbide Corporation to Cintichem, Inc.

The license amendment and staff evaluation of the license transfer  
are enclosed.

Sincerely,

Original signed by  
**Leland C. Rouse**

Leland C. Rouse, Chief  
Advanced Fuel and Spent Fuel  
Licensing Branch  
Division of Fuel Cycle and  
Material Safety

Enclosures: As stated

OFC: FCAF	: FCAF	: ELD	: SGFF	:	:	:
NAME: ATClark	: flb: LCrouse	: RFonner	: WBrown	:	:	:
DATE: 5/20/85	: 5/21/85	: 5/19/85	: 5/16/85	:	:	:

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CINTICHEM, INC.  
DOCKET NO. 70--687

AMENDMENT TO MATERIALS LICENSE

Amendment No. 1  
License No. SNM-639

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for transfer of the Union Carbide Corporation Materials License No. SNM-639 to Cintichem, Inc., dated December 28, 1984, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations as set forth in 10 CFR, Chapter I;
  - B. Cintichem, Inc., is technically and financially qualified to conduct the activities authorized by the license in accordance with the Commission's regulations;
  - C. The issuance of this amended Materials License will not be inimical to the common defense and security or to the health and safety of the public and does not involve a significant hazards consideration.
2. Accordingly, Materials License No. SNM-639, previously issued to Union Carbide Corporation, is hereby amended to reflect the transfer of the authority conferred therein from Union Carbide Corporation to Cintichem, Inc. This amendment deletes the name Union Carbide Corporation wherever it appears in the license or amendments thereto.
3. The change authorized by this amendment may be implemented on or after its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by  
**Peter Loysen**

*for*

Leland C. Rouse, Chief  
Advanced Fuel and Spent Fuel  
Licensing Branch  
Division of Fuel Cycle and  
Material Safety

Date of Issuance:

*JUL 02 1985*

OFC: FCAF : FCAF : ELD : SGFA : : :  
NAME: ATC *ARC* : f1b : LC *RA* : R *RA* : WB *RA* : : :  
DATE: 5/20/85 : 5/21/85 : 5/19/85 : 5/19/85 : : :  
*RA*

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

CINTICHEM, INC.

DOCKET NO. 70--687

AMENDMENT TO MATERIALS LICENSE

Amendment No. 1  
License No. SNM-639

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for transfer of the Union Carbide Corporation Materials License No. SNM-639 to Cintichem, Inc., dated December 28, 1984, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations as set forth in 10 CFR, Chapter I;
  - B. Cintichem, Inc., is technically and financially qualified to conduct the activities authorized by the license in accordance with the Commission's regulations;
  - C. The issuance of this amended Materials License will not be inimical to the common defense and security or to the health and safety of the public and does not involve a significant hazards consideration.
2. Accordingly, Materials License No. SNM-639, previously issued to Union Carbide Corporation, is hereby amended to reflect the transfer of the authority conferred therein from Union Carbide Corporation to Cintichem, Inc. This amendment deletes the name Union Carbide Corporation wherever it appears in the license or amendments thereto.
3. The change authorized by this amendment may be implemented on or after its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, appearing to read "Leland C. Rouse".

Leland C. Rouse, Chief  
Advanced Fuel and Spent Fuel  
Licensing Branch  
Division of Fuel Cycle and  
Material Safety

Date of Issuance: JUL 02 1985

STAFF EVALUATION OF UNION CARBIDE

AND CINTICHEM, INC., AMENDMENT

FOR LICENSE TRANSFER

Background:

By letter dated December 28, 1984, Union Carbide (hereinafter UC) and Cintichem, Inc., (hereinafter CI) submitted a joint request for transfer of the UC Materials License No. SNM-639 to CI. A similar request was submitted for transfer of the reactor Operating License No. R-81. Upon transfer of the licenses to CI, all UC real and capital assets at the Sterling Forest site will be transferred to CI and the current UC personnel will be transferred to CI as employees.

Evaluation:

On October 19, 1984, the NRC staff renewed Materials License No. SNM-639. In connection with the renewal, the staff issued an environmental impact appraisal on May 21, 1984, and a safety evaluation in October 1984. In a Federal Register Notice, dated May 21, 1984, the Commission concluded that the environmental impact created by the proposed license renewal action would not be significant. The staff's safety evaluation focused on the UC organization, administrative controls, radiation protection program, nuclear criticality safety program, fire safety capability, accident analyses and emergency response capability. An assessment of the capability of the UC facilities to withstand natural phenomena events was also performed.

Since the same personnel will operate the portions of the facility using special nuclear material and no changes in license conditions have been requested, there will be no change in any controls considered in the forementioned environmental impact appraisal or safety evaluation. Therefore, all of the conclusions of those recently issued documents are valid.

All CI officers are U.S. citizens; any changes to that status must be approved by NRC. CI is a subsidiary of Medi-Physics, Inc., a subsidiary of Hoffman-LaRouche, a Swiss company. CI will report to NRC any action or law by the government of Switzerland which would affect ownership or operation of the licensed materials operations.

#### Environmental Considerations

As stated above, the staff has recently issued an environmental impact appraisal related to the renewal of Materials License No. SNM-639. This amendment related to the transfer of the license is an administrative change only. Accordingly, the amendment meets the eligibility criteria for categorical exclusions 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.

#### Nuclear Safeguards

Current safeguards are set forth in 10 CFR Part 70 and 73. The regulations in Part 70 provide for material accounting and control requirements with respect to facility organization, material control arrangements, accountability measurements, statistical controls, inventory methods, shipping and receiving procedures, material storage practices, records and reports, and management control.

The NRC's current regulations in 10 CFR Part 73 provide requirements for the physical security and protection of fixed sites and for nuclear material transit. Physical protection requirements for SNM of moderate strategic significance include provision for the establishing of controlled access areas, the monitoring of these areas to detect unauthorized penetration, and the ensuring of communications capabilities to notify offsite response forces of the need for assistance.

The NRC's regulations in 10 CFR Parts 70 and 73, described briefly above, are applied in the reviews of individual license applications. License conditions are imposed to apply specific requirements and limitations tailored to fit the particular type of plant or facility involved.

The licensee has an approved material control and accounting plan and an approved physical security plan that meet the current requirements. It is concluded, therefore, that the safeguards-related environmental impact of the proposed action is insignificant.

### Conclusions

As indicated above, this amendment involves a change for ownership of the Sterling Forest facility but does not change the physical facility, operating organization, or personnel operating the facility. The staff concludes, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of an accident previously evaluated, or create the possibility of a new or different kind of accident from any accident previously evaluated, or involve a significant reduction in a margin of safety, the amendment involves no significant hazards considerations; (2) there is reasonable assurance that the health and safety of the public will not be endangered by the proposed action, and (3) such activities will be conducted in compliance with the Commission's regulations, and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.



A. Thomas Clark, Jr.  
Advanced Fuel and Spent Fuel  
Licensing Branch  
Division of Fuel Cycle and  
Material Safety

Approved:



Leland C. Rouse, Chief  
Advanced Fuel and Spent Fuel  
Licensing Branch