NRC FÖRM 374 (7-94)		LATORY COMMISSION	PAGE OF PAG
	MATERIAI	LS LICENSE	
Pursuant to the Atomic Energy Act of 1954, Federal Regulations, Chapter I, Parts 30, 31, by the licensee, a license is hereby issued auti material designated below; to use such mate persons authorized to receive it in accordance specified in Section 183 of the Atomic Ener Nuclear Regulatory Commission now or here	32, 33, 34, 35, 36, 39, 40, a horizing the licensee to rece rial for the purpose(s) and with the regulations of the rgy Act of 1954, as amend	and 70, and in reliance on s eive, acquire, possess, and at the place(s) designated applicable Part(s). This lic ed, and is subject to all a	statements and representations heretofore ma transfer byproduct, source, and special nucl l below; to deliver or transfer such material cense shall be deemed to contain the condition pplicable rules, regulations, and orders of
Licensee	·		· · · · · · · · · · · · · · · · · · ·
^{1.} Cintichem, Inc.	·.	3. License Number	SNM-639 Amendment No. 9
 Sterling Forest Resear Tuxedo, NY 10987 	ch Center	4 Expiration Date	December 15, 1996
		5. Docket or Reference No.	070-00687
6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/ Form	'or Physical	8. Maximum Amount that Licensee May Possess at Any One Time Under This License
A. Uranium-235 (≥ 20% enriched)	A. Any fo	rm	A. 350 gm of contained U-235
B. Plutonium	B. Encapsi Sources		B. 80 gm Pu-Be neutron source
C. Any Radioactive Material between Atomic Nos. 3 and 83 inclusive mingled with SNM and authorized for possession under New York State byproduct license No. 729-0322	C. Any		
in Tuxedo, NY. Use as nec laboratory building and wa carried out under license	essary in the dec ste storage build SNM-639. B01070282 9712	commissioning of ding and areas as	the Cintichem, Inc. facili the reactor building, hot ssociated with the operation
A. Licensed material shall	DR ADOCK 0700	PGR 1 and stored at 1	the Cintichem, Inc. facilit

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NRC FORM 374A U.S. NUCLEAR REGULATORY COMMISSION	PAGE 2 OF A PAGES
(7-94)	License Number SNM-639
MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 070-00687
	Amendment No. 9
0. Conditions:	
B. Licensed material shall be used or under the sup Project Manager.	pervision of the decommissioning
C. Except as specifically provided otherwise in th	is license the licensee shall
conduct its program in accordance with the state	
procedures contained in the documents in Juding	g all enclosures, listed below.
The U.S. Nuclear Regulatory Commission's regulat	bjons shall govern, unless the
statements, representations and procedures in th	
correspondence are more restrictive than the reg	gulations. 🔊
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14. January 8, 1992, 30. Nove 15. February 19, 1992, 31. Feb	ember <u>14</u> , 1996. ruary 20, 1997, and
16. July 15, 1992, 31. July 16. July 15, 1992, 200	ember 3, 1997.
D. In addition to the statements, representation aforementioned letters, the licensee will contain accordance with the statements, represent the licensee's request to renew license SNM letter dated June 29, 1990, unless the state	onduct decommissioning operations, tations and procedures outlined in -639 dated September 15, 1989, and
procedures, in the aforementioned letters,	
decommissioning activities or the Commission	

Decommissioning decision restrictive.
E. The licensee may make minor changes to the conditions described in this license, without a license amendment, provided that:

DEVENTION/MOTION/

				STATC.		
NRC FORM 374A			PAGE	_3	OF	 PAGES
•	· · · · ·	License Number SNM	1-639			
	ATERIALS LICENSE	Docket or Refer 07(rence Number) - 00687			
		Ame	endment No	<u>o.</u>)	

- 1. These changes do not involve an unreviewed safety question;
- 2. The changes do not cause a significant increase in radiation exposure to employees or;
- 3. The changes do not cause a decrease in the protection of the public health and safety and the environment offered by the existing license condition.

A change shall be deemed to involve an unreviewed safety question, if an accident analysis for the change: (i) results in consequence values exceeding the values of the accident analysis described in the licensee's decommissioning plan, as supplemented, or the probability of occurrence for the types of events there evaluated is judged to increase; (ii) reveals a possibility for an accident of a different type, than previously evaluated or; (iii) the margin of safety defined in the basis for any technical specification is reduced.

Prior to initiating any changes to the license conditions allowed under Condition E, the licensee shall prepare a safety evaluation of the effect of the change. This evaluation shall be reviewed and approved by the licensee's Nuclear Safeguards Committee and, as appropriate, the licensee's Radiation Safety/ALARA Committee, and shall provide the basis for determining that the change will not involve an unreviewed safety question, a significant increase in radiation exposure to employees or a decrease in the protection of the public health and safety and the environment offered by the existing license condition. Records of evaluations and approvals of changes shall be maintained by the licensee.

- F. The licensee shall decontaminate the reactor building, hot laboratory building, waste building and areas associated with the operations carried out under license SNM-639 to the unrestricted release criteria outlined i Table 5 of Section 38.29 of 12 NYCRR 38. In those instances where NRC and New York State criteria differ, the more restrictive criteria will apply. In addition to the criteria outlined above, the licensee shall ensure that:
 - 1. Prior to demolition all buildings and structures exhibit exposure rates of less than 5 μ R/hr above background at one meter;
 - 2. The results of all soil characterization data are submitted to, approved by, and verified by NRC prior to release of the site. NRC's evaluation will ensure that exposure to this soil will not result in a dose to the

(7-94) ^ເ	ORM 3	74A U.S. NUCLEAR REGULATORY COMMISSION	
U.			License Number SNM-639
		MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 070-00687
			Amendment No. 9
	G. H. I.	/16/97 John W. N. H Low-Level Wa Projects E Division of	ed in Condition G. following ontamination limits that the licensee teria. Those criteria will be based on shall be as low as reasonably omit these limits to NRC for we date of this amendment. This , if the licensee demonstrates good uding circumstances that arise which throl of the licensee). Upon review sure that all soil remaining on-site berations is within these criteria. ormation important to safe and facility located on Long Meadow Road \$70.38. S. NUCLEAR REGULATORY COMMISSION Hickey, Chief aste and Decommissioning Branch Waste Management uclear Material Safety

SNM-639 070-00687 Amendment No. 9

public in excess of the criteria established in Condition G, following unrestricted release of the site.

G. The licensee shall develop residual soil contamination limits that the licensee intends to use as unrestricted release criteria. Those criteria will be based on the principle that residual contamination shall be as low as reasonably achievable (ALARA). The licensee shall submit these limits to NRC for evaluation, within 6 months of the effective date of this amendment. This deadline may be extended by the Commission, if the licensee demonstrates good cause based on technical feasibility (including circumstances that arise which were not foreseeable or were beyond the control of the licensee). Upon review and approval by NRC, the licensee shall ensure that all soil remaining on-site at the completion of the decommissioning operations is within these criteria.

Deleted.

Ι: -

The licensee shall maintain records of information important to safe and effective decommissioning at the Cintichem facility located on Long Meadow Road in Tuxedo, NY per the provisions of 10 CFR §70.38.

Date:	12/16/97	By:
		Jo Lo
		Di Of

FOR THE NUCLEAR REGULATORY COMMISSION [Original signed by]

John W. N. Hickey, Chief
Low-Level Waste and Decommissioning
Projects Branch
Division of Waste Management
Office of Nuclear Material Safety
and Safeguards

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Mr. James J. McGovern President/Plant Manager Cintichem, Inc. P.O. Box 816 Tuxedo, New York 10987

Dear Mr. McGovern:

I am writing in response to your letter, dated December 3, 1997, requesting an amendment to Condition H of your radioactive materials license. Condition H requires that Cintichem complete decommissioning of its Tuxedo, New York, facility by December 31, 1997, unless good cause can be shown, based on technical feasibility or risk reduction considerations to extend this deadline. As discussed in your letter, all remediation work at the facility, including Cintichem's final surveys and the Nuclear Regulatory Commission's confirmatory surveys have been completed. Currently, Cintichem is evaluating final waste disposition options for a small quantity of mixed waste remaining from decommissioning activities, evaluating groundwater monitoring information and completing remediation of those portions of the facility under the regulatory control of the New York State Department of Environmental Conservation (NYSDEC). You are requesting that the date in Condition H be extended indefinitely because you cannot predict the actual date that the license will be terminated.

NRC staff typically requires that licensees include schedules for decommissioning projects in decommissioning plans, which are approved as amendments to radioactive materials licenses, to ensure that licensees complete the decommissioning of their facilities in a timely manner. Cintichem has been actively decommissioning its Tuxedo, New York facility since the approval of the decommissioning plan in January 1992 and, as indicated above, has completed all of the remedial activities associated with the decommissioning project.

Based on these factors, the NRC staff has concluded that it is appropriate to delete Condition H from your radioactive materials license. Therefore, your license is amended to delete condition H. A copy of this amendment is enclosed.

Sincerely,

and Safeguards

If you have any questions, please contact Dominick/A. Orlando at (301) 415-6749.

John W. N. Hickey, Chief Low-Level Waste and Decommissioning Projects Branch Division of Waste Management Office of Nuclear Material Safety

License No. SNM-639 Docket No. 70-687 Enclosure: As stated

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