*If the net sum of all biases is positive, circle the "-" sign; if the net sum of all biases is negative, circle the "+" sign.
**If the sum of prior period adjustments increases the ID, circle the "+" sign, if the sum of prior period adjustments decreases the ID, circle the "+" sign.

 $\pm(+)143$

ATTACH EXPLANATIONS OR COMMENTS TO THIS FORM ON CORPORATE LETTERHEAD

(+)159

INVENTORY DIFFERENCE (ID) (The

algebraic sum of the above values.)

DEFINITIONS OF QUANTITIES REPORTED

THE ID (SEID) SEID LIMIT

ID LIMIT

BEGINNING INVENTORY: The quantity of SNM present at the facility as of the beginning of business on the first day of the period covered by the report. This quantity must agree with the ending inventory value (element and isotope) on the last report submitted.

RECEIPTS: The quantity of SNM received at the facility and other increases resulting from the introduction of additional SNM into the inventory during the reporting period.

SHIPMENTS: The quantity of SNM that was shipped from the facility during the reporting period. This includes any samples shipped for off-site analysis and parts of SNM receipts that were returned to the shipper. Measured discards are not to be included, even if shipped during the reporting period for disposal.

MEASURED DISCARDS: The quantity of SNM in the forms of gaseous, liquid and solid waste that has been discarded from the plant during the reporting period. This quantity includes the amounts of discarded SNM that have been transferred to an official holding account, released to the environment under license conditions or methods approved pursuant to 10 CFR 20, or shipped to an authorized recipient for disposal.

ENDING INVENTORY: The quantity of SNM that is indicated to be present at the facility as the result of the physical inventory.

BIAS: A fixed error which remains constant over replicated measurements. (Refer to the license conditions for specific operational procedures for calculating bias.)

PRIOR PERIOD ADJUSTMENTS: The quantity of SNM, increment or decrement, by which the centralized record system was adjusted during the current reporting period for verifiable corrections that were applicable to prior reporting periods. Typically, this quantity will involve corrections of shipments and receipts to reconcile shipper-receiver differences, or corrections of errors associated with the beginning inventory that were detected after the previous report was submitted. Any bias adjustments associated with these corrections should be included.

STANDARD ERROR OF THE INVENTORY DIFFERENCE (SEID): The standard deviation of an inventory difference that takes into account measurement error contributions to the components of the ID.

SEID LIMIT: The applicable quantity in 10 CFR 70.51(e)(5), 10 CFR 74.31(c)(4), 10 CFR 74.59(e)(5) or another quantity assigned to the licensee by the NRC.

ID LIMIT: The applicable quantity in 10 CFR 74.13(b)(1), 10 CFR 74.31(c)(5), 10 CFR 74.59(f)(1)(i) or another quantity assigned to the licensee by the NRC. If e quantity of material would prompt an investigation and possibly the submittal of a subsequent special report to the NRC.

8910190046 890302 CF ADDCK 07000687

< 300

FROM 01/05/89 THRU 03/02/89

(ZWN-VA	AQ) Waste Shipme	nt		(FORM	741)
	DATE	<u>(E)</u>	(1)	<u>(E)</u>	<u>(1)</u>
612 613	02/20/89 02/27/89	183.64 150.89	171.09 140.52	184 151	171 141
	TOTAL	334.53	311.61	335	312
			•		
(FZF-ZW	NN) Results U235	(Feeds)			•
193 194 195 196 197	01/12/89 01/25/89 02/09/89 02/16/89 02/23/89	657.45 661.75 664.72 664.90 671.65	612.50 615.88 618.68 619.23 625.45	657 662 665 665 672	613 616 619 619 625
	TOTAL	3320.47	3091.74	3321	3092
(CBJ-ZW	/B) U ²³⁵ Standard	i			
#7	01/23/89	2.00	1.87	. 2	2
	TOTAL	2.00	1.87	2	2

2,190

Mhelin 3-31-89

SNM INVENTORY REPORT

Licensee:	Cintichem, Inc.		License No.	SNM-639
Plant:	Sterling Forest		Location:	Tuxedo, NY
Material Bala	ance Period:	01/05/89	To:	03/02/89
Physical Inve	entory START DATE:	03/02/89	Material Type	$(1): U^{235} - 720$

		ELEMENT	ISOTOPE (2)
1.	 Beginning Inventory	18332	17088
2.	Receipts	3323	3094
3.	· · · · · · · · · · · · · · · · · · ·		
4.	Measured Discards	The way when we have the second	-
5.	Decay	- A	
6.	Ending Inventory	21161	19727
7.	MUF	+159	+143
8.	Calculated	· ·	
9.	Shipments to Burial	335	312
10.	Accidental Loss		
111.	Cumulative MUF (Since 5/10/74)	-1434	-874
 12.	Additions to Process	3323	3094
13.	Removals From Process	335	312
14.	MUF as % of #12 or #13	47.46	45.83
15.	LEMUF as % of #12 or #13		
16.	LEMUF Specification (10 CFR 70/License Condition)		<300

NOTES: (1) Pu, U-235 (> 20%), U-235 (< 20%), U-233

(2) Not Applicable for Pu

Lovell (Thelin 3-31-89

REMARKS:		12 D	
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