

01 FEB 1985

License No. 07-00222-02  
Docket No. 030-03851  
Control No. 02724

Hercules Incorporated  
ATTN: A. S. Hirwe, Ph.D., RPO  
Research Center  
Wilmington, Delaware 19899

Gentlemen:

This is in reference to your request in a letter dated July 27, 1984, to renew License Number 07-00222-02. In order to continue our review, we need the following additional information:

1. The NRC requires that individuals or institutions who use licensed materials to perform services using licensed material, such as leak testing or instrument calibration, have specific authorization granted by a license issued by the NRC or an Agreement State and have paid a fee required for a service license as stated in 10 CFR 170.31 or equivalent Agreement State regulations. (Contact the NRC License Fee Management Branch 301-492-4650 to obtain the proper fee to be paid).

We have reviewed the licenses of the University of Delaware (U of D) and find that the institution has not paid a fee in accordance with 10 CFR 170.31 for a instrument calibration service license, nor do any of U of D's licenses authorize performance of instrument calibration services for other NRC licensees.

Therefore, you should request that the U of D obtain specific authorization from the NRC by amending their license (07-01579-19) or obtain instrument calibration services from an individual or institution licensed by the NRC or Agreement State to specifically perform instrument calibration services. Please clarify who will perform your instrument calibrations.

2. Please indicate your method of calibration of the liquid scintillation spectrometer. Indicate the traceability to an accredited laboratory of all standards used. List isotopes used and the accuracy of each.
3. Please indicate that equipment and procedures that you use to evaluate leak test samples. Please confirm that your instrumentation is calibrated with an isotope in the energy range of those you are evaluating.

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4. Please clarify, what wastes are shipped to K. S. Processing Co., Marcus Hook, Pennsylvania. If the wastes are those authorized under 10 CFR 20.306, please clarify, how you assure the materials meet the criteria of 0.05 microcuries or less of H-3 or C-14 per gram of medium used for liquid scintillation counting or per gram of animal tissue averaged over the weight of the entire animal.
5. Your wipe test survey frequency of once per month during long projects should be increased. NRC recommends you survey laboratories using milli-curie quantities of H-3 or C-14 at least weekly. C-14 contamination may be detected with portable survey equipment and should be checked for during periods of use daily.

We will continue our review upon receipt of this information. Please reply in duplicate to my attention at the Region I office and refer to Mail Control No. 02724.

Sincerely,

Original Signed By:  
John E. Glenn

John E. Glenn, Ph.D., Chief  
Nuclear Materials Section B  
Division of Engineering and  
Technical Programs

Enclosure: Regulatory Guide 10.7

RI:DETP  
Thompson/cop  
2/1/85

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Glenn  
2/1/85

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BETWEEN: William O. Miller, Chief  
License Fee Management Branch  
Office of Administration

John E. Glenn, Chief  
Nuclear Materials Section B  
Division of Engineering and  
Technical Programs

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: Hercules Incorporated

Application Dated: 7/27/84

Control No.: 02721

License No.: 07-00222-02

2. FEE ATTACHED

Amount: \$ 460.00

Check No.: 085-26762

3. COMMENTS

Signed Brenda P. Latchek

Date 8/2/84

B. LICENSE FEE MANAGEMENT BRANCH 8/84 03620

1. Fee Category and Amount: 3m -1460

2. Correct Fee Paid. Application may be processed for:

Amendment                     


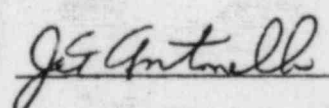
Renewal                      ✓

License                     

Signed B Jackson

Date 8/8/84

"SECTION COPY"

 <b>HERCULES</b>	<b>Hercules Incorporated</b>	Wilmington Delaware
MELLON BANK, N.A. Pittsburgh, Pa. 15230	DATE July 27, 1984	No. 085- 26762 <span style="float: right;">8-26 430</span>
<b>EXACTLY \$460.00 CTS</b>		\$460.00***
TO THE ORDER OF	U. S. Nuclear Regulatory Commission • 631 Park Avenue King of Prussia, PA	
		
⑈08526762⑈ ⑆043000261⑆ 119⑈5989⑈		
CHECK IS VOID IF COLORED BACKGROUND IS ABSENT—BACK OF THIS CHECK CONTAINS SIMULATED WATERMARK		
IF ADDITIONAL INFORMATION IS REQUIRED REFER TO "HERCULES REFERENCE" WHEN WRITING.		

SUPPLIER REFERENCE	DATE	HERCULES REFERENCE	AMOUNT
License Renewal	07/27/84	085 03250 07	460.00
Total			460.00

Deliver check to: R. R. Kohler/8205

HERCULES INCORPORATED  
RESEARCH CENTER, WILMINGTON, DEL. 19808  
PLEASE DETACH STATEMENT BEFORE DEPOSITING CHECK

No. 085- 26762