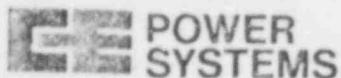


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U.S. DEPARTMENT OF ENERGY
COMBUSTION ENGINEERING
MAIL SECTION

July 11, 1979

James G. Partlow, Chief
Material Control Licensing Branch
Division of Safeguards
United States Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Measurement Control Program -
Undetected Bias in Inventory Difference

Reference: Your letter 5/16/79, SGML:EJM 70-36

SG # 638

CTRL # 79536B

Dear Mr. Partlow:

Your letter of May 16, 1979 requested an assessment of the potential magnitude of an undetected bias due to the degree of verification performed on reference standards.

This assessment has been performed following the example forwarded with your letter and discussions with members of your staff. We conclude that any undetected bias is not significant. This is based on the results of the last four inventories and the applicable standards data. In summary this is:

Average Inventory Difference (I.D.) =	66.6	Kg U
	1.641	Kg U ²³⁵
Average L.E. I.D.	80.8	Kg U
	3.405	Kg U ²³⁵

The maximum undetected ID bias is:

	3.06	Kg U
	.073	Kg U ²³⁵

Very truly yours,

COMBUSTION ENGINEERING, INC.

H. E. Eskridge
Supervisor, Nuclear Licensing,
Safety and Accountability

/wg

FEE EXEMPT

*Part of 70-57
"series of test"*

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