

C-E Power Systems
Combustion Engineering, Inc.
Route 21-A
Hematite, Missouri 63047

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Combustion Engineering, Inc.
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Hematite, Mo.

NIS/81/808

PRINCIPAL STAFF			
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February 4, 1981

Director of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Effluent Monitoring Report
July - December 1980

Dear Sir:

The subject report is submitted in accordance with the requirements of 10CFR70.59.

This information relates to licensed activities conducted at Combustion Engineering, Inc.'s facility located at Hematite, Missouri. The license number under which these activities are conducted is SNM-33.

Very truly yours,

COMBUSTION ENGINEERING, INC.

H. E. Eskridge

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

/wg
Enclosure

cc: ✓ C. Peck - NRC, Region III
NRC Document Management Branch
Washington, D.C.

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EFFLUENT MONITORING REPORT

FOR JULY - DECEMBER 1980

Licensee: Combustion Engineering, Inc.
Route 21-A
Hematite, Missouri 63047

License No. SNM-33

The following quantities of low-enriched uranium were released to unrestricted areas during the period July through December 1980:

Liquid ⁽¹⁾	2.39×10^{-3}	Curies	(5.4×10^7 liters)
Gaseous ⁽²⁾	2.72×10^{-5}	Curies	(5.2×10^9 ft. ³)

The following quantity of fluoride was released during the period July through December 1980:

Fluoride⁽³⁾ 4.34×10^3 pounds

Fluoride concentrations in vegetation samples ranged from <2 to 26 ppm.

⁽¹⁾ Measured at discharge of site pond to form site creek. Includes naturally occurring alpha-emitters present in the water.

⁽²⁾ Particulate uranium compounds measured by continuous exhaust stack sampling.

⁽³⁾ Measured by continuous stack sampling in compliance with Condition 19 to SNM-33, dated March 31, 1977. Projected total annual release (environmental impact information) was 1.35×10^4 pounds, based on a 5-year annual average. Releases for 1980 total 1.27×10^4 pounds. Therefore, no corrective action is indicated.