

EFFLUENT MONITORING REPORT

FOR JULY - DECEMBER 1979

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 1979:

Liquid <sup>(1)</sup>	$3.88 \times 10^{-3}$	Curies ( $8.7 \times 10^7$ liters)
Gaseous <sup>(2)</sup>	$1.31 \times 10^{-5}$	Curies ( $4.3 \times 10^9$ ft. <sup>3</sup> )

The following quantity of fluoride was released during the period July through December 1979:

Fluoride<sup>(3)</sup>  $8.36 \times 10^3$  pounds

Fluoride concentrations in vegetation samples ranged from 8 to 56 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  $1.35 \times 10^4$  pounds, based on a 5-year annual average. Releases for 1979 totaled  $1.40 \times 10^4$  pounds. This 4% variance does not significantly affect site boundary concentrations. Therefore, no corrective action is indicated.

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