

FACILITY EFFLUENT REPORT

TYPE OF FACILITY:

UF₆ Conversion

LICENSE:

Source Materials No. SUB-526

Docket No. 40-3392

FACILITY ADDRESS:

AlliedSignal Inc. - Metropolis Works

P. O. Box 430

Metropolis, IL 62960

REPORTING PERIOD:

July 1, 1996 - January 1, 1997

GASEOUS EFFLUENTS:

1. The average release rate for the reporting period = $5.9E^5$ ACFM.
2. The principle radionuclides released are particulate, oxides and fluorides as follows:

Uranium (Nat.)	=	0.104 curies (measured)
Th ²³⁰	=	$1.43 E^4$ curies (Note 1)
Ra ²²⁶	=	$1.39 E^5$ curies (Note 1)

LIQUID EFFLUENTS:

1. The average release rate for the reporting period = 2532 GPM.
2. The principle radionuclides released are as follows:

Uranium (Nat.)	=	0.492 curies (measured)
Th ²³⁰	=	$3.6 E^3$ curies (measured)
Ra ²²⁶	=	$3.8 E^3$ curies (measured)

NOTES 1:

Calculated from measured Th²³⁰ and Ra²²⁶ content of the various types of ore concentrates processed during the reporting period. As the ratio from exit points of these nuclides to uranium is assumed to be the same as in the concentrates, this calculation results in conservative (high) reported quantities.

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