

What arrangements are there to keep airborne enriched U from leaving the manufacturing building?

How much enriched U contamination can we expect outside the PORTS boundary fence from this?

Won't promotion of Small Modular Reactors encourage corrupt foreign governments to buy SMRs in order to develop their own nuclear weapons programs?

How soon will Oklo, DOE or some other entity be proposing construction of a nuclear fuel reprocessing plant at PORTS?

Why is DOE opposed to performing a nuclear weapons proliferation assessment of the commercial scale production of HALEU?

Does DOE admit that HALEU production will be an invitation to theft of enriched Uranium?

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EXECUTIVE SUMMARY

The Portsmouth Gaseous Diffusion Plant (PGDP) in Pike County, Ohio used the UF₆ gaseous diffusion process to enrich uranium from 1954 to 2001. As a result of routine plant operations, radioisotopes and toxic chemicals were regularly released to the air, water, and soil. Despite ongoing concerns about health effects of exposures to toxic radioactivity, little research on local health patterns has been conducted.

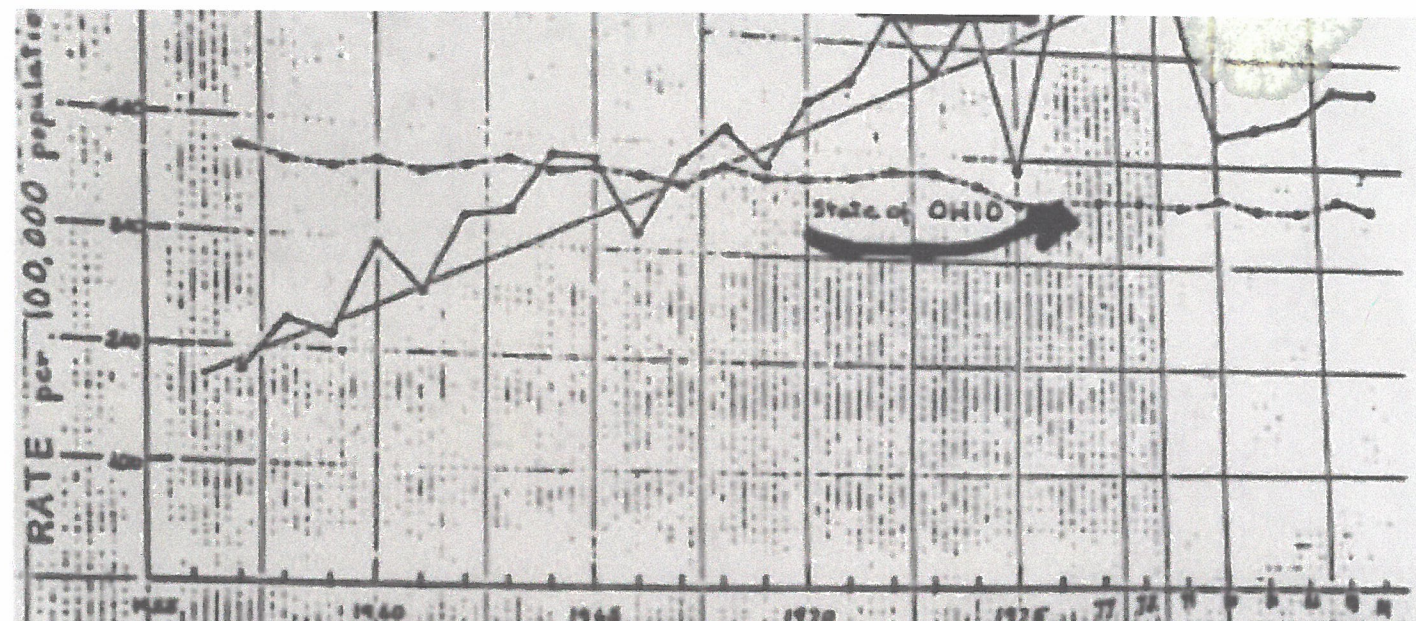
This report, using official health statistics, found the following health patterns and trends for Pike County:

1. The county's cancer incidence in 2010-2019 was 15% higher than the U.S., the highest rate of all 88 Ohio counties.
2. In the 1950s and 1960s, county cancer mortality was 12% below the U.S. The gap closed, and by 1993, the Pike rate exceeded the U.S. The largest gap (+32.8%) occurred in 2019-2020.
3. In 2009-2020, the cancer death rate in the county exceeded the U.S. by about 50% for all age groups, except for persons over age 75 (0.5% below the U.S.).
4. County age-adjusted mortality for all causes was 2-5% above the U.S. in the 1980s and early 1990s. By 2019-2020, the county rate was 42.3% greater.
5. Among persons 0-74, all-cause mortality in the county soared to 85.0% above the U.S. in 2017-2020, nearly twice that of the nation.

These unexpected findings constitute a great concern, and call for prompt and thorough review of all potential causes, including socioeconomic factors, access to medical care, health behavior, and exposures to environmental toxins, such as those from the PGDP.

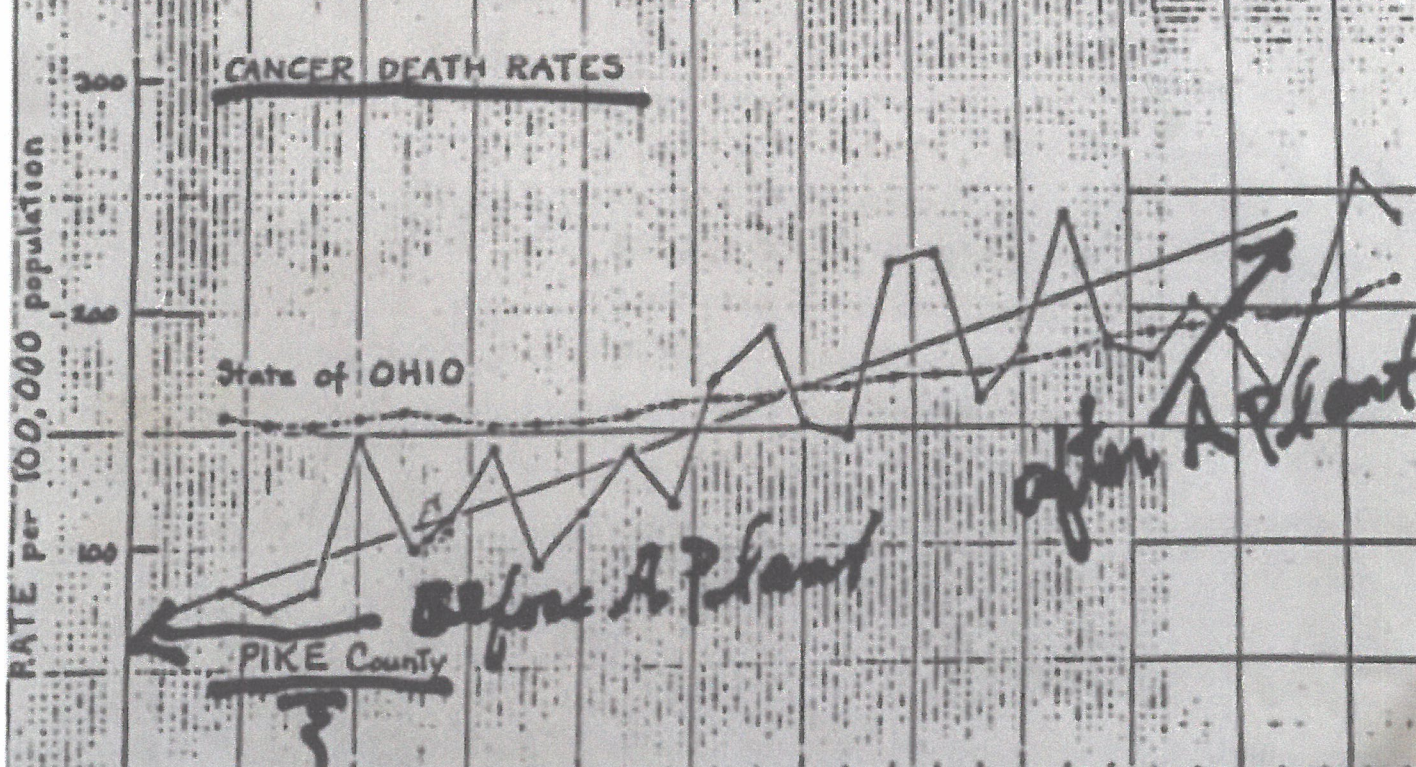
Any findings must be shared with the public and public officials, so that any efforts to reduce future local disease and death rates may begin promptly.

HEART DISEASE
Death Rates



Ohio Dept. of Health
Vital Statistics Analysis Division

Pike County increased heart disease death rates (per 100,000) since the 1950's startup of the Pediton plan compared with state rates. Pike County rates are higher yet, but it has a redneck area as well as Pediton urban hospitals. Particularly a referral, as a small county, is heavily dominated by one large industry.



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