



DEPARTMENT OF THE AIR FORCE
542D CREW TRAINING WING (AMC)

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542d CTW/EM
Kirtland AFB, NM 87117-5000

Mr Edward Horst
Program Manager
Hazardous and Radioactive Materials Bureau
PO Box 26110
525 Camino de los Marquez
Santa Fe NM 87502

Dear Mr Horst

Documentation that we have received from our Compliance and Assessment Branch, and from Sandia/DOE, has confirmed that there is no evidence that fluoranthene has ever been discharged to the base sewage lagoon system as a commercially pure grade product, off-specification chemical product, or as the sole active ingredient of a formulation. As a result, the dried sewage sludge in the base lagoons and golf course pond is not considered a hazardous waste under the New Mexico Hazardous Waste Management Regulations (HWMR-6).

Since the finding of TCA in the lagoon water led to the determination that the lagoon system constituted hazardous waste management units, we feel that the soil gas surveys should still be performed to verify that the vadose zone below the units is not contaminated. In addition, we are awaiting the analytical results from the May 1992 sampling of the monitoring wells, which will indicate if there has been any contamination of the groundwater since the initial sampling.

If the soil gas surveys show the presence of volatile organics in the vadose zone, we will request a meeting to discuss a possible soil boring program for the purpose of collecting soil samples for risk assessment. If both the soil gas surveys and the groundwater analytical results fail to detect any contamination by hazardous wastes, we plan to certify clean-closure of the sewage lagoon system.

If you have any questions, please contact John Gould at 846-2773.

Sincerely

THOMAS A. NORRIS, Colonel, USAF
Director
Environmental Management Division

3 Atch
Walt Darr Memo
J.D. Fish Memo
Tom Hyde Letter

cc: NMED (Dave Morgan)
NMED (Stephanie Stoddard)
H+GCL (Mike Silva)



Memo for Record

5 June 1992

Subject: Fluoranthene

To: John Gould

In response to your request for information on the possible disposal of fluoranthene as a commercially pure grade product, off-specification chemical product or as the sole active ingredient of a formulation, the Compliance and Assessment Branch has conducted an extensive records search. The records search and site visits have produced no evidence that fluoranthene has ever been used or disposed of in the forms listed above by any DOD facility or tenant.

Walter S. Darr

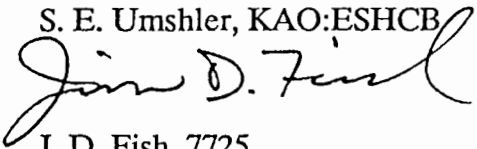
WALTER S. DARR, Chief
Compliance and Assessment Branch

Sandia National Laboratories

Albuquerque, New Mexico 87185

date: June 26, 1992

to: S. E. Umshler, KAO:ESHCB

from:  J. D. Fish, 7725

subject: Response to DOE Inquiry Concerning Fluoranthene in the Sanitary Sewer System, 1980-1990, SNL, Albuquerque

Department 7725 has began an investigation into the possibility that Fluoranthene was discharge into the sanitary sewer system as a commercially pure-grade product, off-specification chemical product, or as the sole active component of a formulation.

Fluoranthene is a common class of organic compounds found in many products. It is derived from coal tar and forms colored needles that are insoluble in water. It is typically used in compounds for its light absorbing qualities and was used at SNL, Albuquerque during the time period in question. It was used as a component in the project that developed flash protective eye-ware and is also used in various laser dye applications.

I can find no evidence that this product was ever discharged as a pure-grade product, off-specification chemical, or as the sole active component of a formulation. Department 7725 will continue to investigate other discharge possibilities by examining purchasing records during the 1980-1990 time period.

If you have any question or need additional information, please do not hesitate to contact me at 848-0950 or 263-6183.

AKJ:akj

Copy to:

7700 J. E. Stiegler
7725 Dayfile
7725 J. D. Fish
7725 Sanitary Sewer Correspondence File



Department of Energy

Albuquerque Operations Office
Kirtland Area Office
P.O. Box 5400
Albuquerque New Mexico 87115

JUL 07 1982

Lt. Colonel George Pratt
Deputy Director, Environmental Management Division
542 Crew Training Wing
Kirtland Air Force Base, NM 87117

Dear Lt. Colonel Pratt:

Enclosed is the response we received from Sandia National Laboratories (SNL), Albuquerque regarding the use and disposal of fluoranthene in the sanitary sewer system, between 1980 and 1990. We do not know of any other DOE facility that would have discharged sewage into the KAFB sewage lagoons during that time period. It does not appear that fluoranthene was disposed into the sanitary sewer system as a commercially pure-grade product, off-specification chemical product, or as the sole active ingredient of a formulation.

If you require any further information, please call Sue E. Umshler of my staff at 845-6671.

Sincerely,

A handwritten signature in cursive script that reads "Thomas B. Hyde".

Thomas B. Hyde
Chief, ESHC Branch
Kirtland Area Office

Enclosure

cc w/enclosure:

~~100-542nd/EM~~
G. Laskar, EPD, AL

cc w/o enclosure:

C. Tapp, 4300, SNL
J. Fish, 7725, SNL
A. Jones, 7725, SNL