

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

APR 5 1974

Chairman Ray

THRU: J. A. Erlwine, General Manager

STUDY OF PREVIOUSLY RELEASED AEC FACILITIES

This memorandum responds to your expressed interest in a listing of previously owned contaminated facilities released by AEC which might be of concern if reexamined in the light of current standards. Field Offices were requested to identify all past cleanup efforts resulting in the transfer or release of real property for unconditional or restricted use. They were asked to summarize the cleanup action taken, to include cleanup criteria used and to provide a judgment of the adequacy of that criteria to meet current standards. The responses are summarized in the enclosed Table.

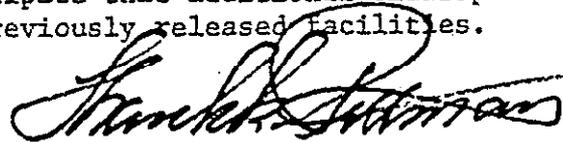
In responding to this request, Field Office efforts were hampered to some extent by normal attrition of personnel most knowledgeable about the past cleanup and disposal actions and by an absence of comprehensive documentation of these actions. Official AEC levels of contamination that now govern the return of real property to public use had not been formulated in the days when some land areas were released. However, areas having detectable surface contamination were cleaned, based upon existing conditions and intended future use. In general, the Field Offices consider that earlier decontamination efforts which prefaced release of real property to the public are adequate when evaluated against AEC Regulatory decontamination/decommissioning guidelines currently used by AEC on an ad hoc basis.

In my view, it would be premature at this time to consider AEC's legal responsibilities or the feasibility of taking broad action with regard to the extensive real property release actions shown in the enclosed Table. Although in some cases it is clear that AEC has no direct legal

responsibility, in many other cases documentation would not be adequate to make such a determination. Further, decisions on action may need to be based mainly on non-legal considerations using value judgments and subjective reasoning relative to health risk, potential public reaction, environmental impact, ease of accomplishing anything useful, and cost, rather than on definitive data.

The Division of Operational Safety is developing a program to reexamine certain previously released properties, marked with an X in the enclosed Table, where radiological records are incomplete or do not exist and, if required, initiate a detailed radiological survey. At this time, the total cost of this program, to be accomplished over four years, is projected by OS to be between \$1 to \$1.5 million.

Upon completion of the documentation search and necessary radiological surveys and evaluations by OS, any required additional decontamination work will be funded and directed by WMT. Any costing and feasibility considerations will, of course, be contingent on the review and cleanup criteria established by OS. We anticipate that additional cleanup will be required at a limited number of previously released facilities.



Frank K. Pittman, Director
Division of Waste Management
and Transportation

Enclosure:
Table - Disposition of Ex-AEC Owned
or Leased Facilities

cc w/encls:
Commissioner Larson
Commissioner Doub
Commissioner Kriegsman
Commissioner Anders

H. Glauberman, WMT
Extension 4214

Field Office	Action Taken	Current Radiological Status	Documentation	Remarks
<p><u>ALBUQUERQUE (Cont'd)</u></p> <p>Dayton Area Office/ Monsanto Research Corp. Miamisburg, Ohio</p> <p>Unit III 1601 West First St., Dayton, Ohio</p> <p>Unit IV Runnymede Rd. and Dixon Avenue, Dayton, Ohio</p>	<p>Unit III decontaminated and returned to Dayton Board of Education in 1950. Criteria used - no detectable removable alpha contamination and a maximum of 5000 d/m/100 cm² of fixed alpha contamination.</p> <p>Unit IV decontaminated, totally dismantled, excavation filled with top soil and site returned to original owner (Talbot Family Estate) with no detectable contamination in 1950. Contaminated material from dismantlement disposed of at Mound Lab. to allow final decay of Po²¹⁰.</p>	<p>Quantity of Po²¹⁰ remaining due to short half life could be classed as non-existent and nondetectable by any means.</p> <p>When Unit IV returned to original owner, land had no detectable contamination.</p>	<p>Available through ALO - SRD Document MLM-393, dated Oct. 31, 1949, F. L. Halbach - "Report No. 1 of Steering Committee of Units III and IV" - Completion report for disposal of Unit III.</p> <p>Available through ALO - SRD Document MLM-461, dated Apr. 17, 1950, F. L. Halbach - "Report No. 3 of Steering Committee for Disposal of Units III and IV" - completion report for disposal of Unit IV.</p>	<p>Cleanup considered be adequate to cur standards and no tional action is required.</p> <p>Cleanup considered be adequate to cur standards and no tional action is required.</p>
<p><u>Production Facilities</u> (Under control of SFO/AL)</p> <p>*Westinghouse Naval Ord. Detroit, Mich.</p> <p>*Rock Island Arsenal Rock Island, Ill.</p> <p>**ACF Industries Buffalo, N.Y.</p> <p>**ACF Industries Albuquerque, N.M.</p> <p>*Picatinny Arsenal Dover, N.J.</p>	<p>None of the facilities was contaminated. The facility or AEC occupied portion was unconditionally released or returned to prime tenant.</p>	<p>*No radioactive materials handled at these facilities.</p> <p>**Unknown - however, no detectable contamination suspected due to nature of operations performed.</p>	<p>*Per telecon A. P. Flagstead, AL, 2/12/74.</p> <p>ACF - Buffalo - AT(29-2)-207, 10/31/57 - copy of memo of understanding to close out facility.</p> <p>ACF - Albuq. - memo of understanding on Form DD 1354, 12/7/67, AEC released to Air Force.</p> <p>Picatinny - File Code 2-UR - AT(29-2)-1274, GSA approved transfer to Dept. of Army, 12/6/61 - accepted Jan. 24, 1962.</p>	<p>No additional acti considered necessa by AL.</p>

MAY 1976

SITES PREVIOUSLY UTILIZED BY MED AND AEC
FOR RADIOLOGICAL ACTIVITIES WHICH ARE NO LONGER UNDER ERDA CONTROL

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FIELD OFFICE AND SITES	DISPOSITION ACTION	RADIOLOGICAL CONDITION	REMARKS
17. Westinghouse Naval Ord., 1 Detroit, Michigan	Returned to tenant unconditionally.	Radioactive materials not handled in these facilities. No accidents or incidents recorded.	NO FURTHER SURVEYS PROPOSED.
18. Rock Island Arsenal, 2 Rock Island, Illinois			
19. Picatinny Arsenal, Dover, New Jersey	GSA transfer to Army on January 24, 1962.		AL File Code 2UR-AT(29-2)1274.
20. ACF Industries, Albuquerque, New Mexico	Released to USAF, memo of understanding DD-1354 dated December 7, 1967.	Unknown - but no radioactive contamination expected due to nature of work.	Now USAF responsibility. NO FURTHER SURVEY PROPOSED.
21. ACF Industries, Buffalo, New York	Released to ACF per AT(29-2)-207 on October 31, 1957.	Same as above.	NO FURTHER SURVEY PROPOSED.
22. TA-1 Manhattan Project Lab. Site, Los Alamos, New Mexico	Site exsessed and sold to private individuals and companies for unrestricted use in 1950's-1960's.	Surface and building decontamination done in 19 . In 1974 resurvey of sites indicated highly contaminated soil. Survey and cleanup done in 1975-76 by AL-LASL. Report in preparation.	Original decontamination efforts found to be unsatisfactory. Extensive soil decontamination done in 1975-76 per AL-LASL be absolutely sure all contamination removed from property property. But AL-LASL feel remaining contamination of health significance. SITE SURVEYED IN 1975-76.