PUBLIC HEALTH XF 267

RADIOLOGICAL CONTAMINATION IN THE UNITED STATES

HEARING

BEFORE THE

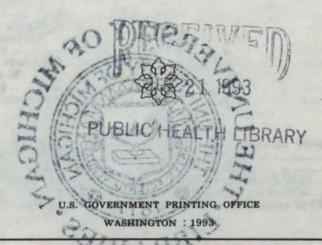
COMMITTEE ON GOVERNMENTAL AFFAIRS UNITED STATES SENATE

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Attachment 3

AIR PORCE RADIOACTIVE WASTE BURIAL SITES - BACKGROUND

- 1. The following background information provides perspective on past Air Force radioactive waste burial practices. Unapproved disposals may have occurred on Air Force installations. Therefore, radioactive burial sites have been included in the Air Force's Installation Restoration Program (IRP) for identification and management of past hazardous waste disposal sites under the Resource Conservation and Recovery Act (RCRA).
- a. Most sites were created during the 1950s in accordance with the Atomic Energy Commission (AEC) policy and general industrial practice of that time. Detailed records of disposals were not generally required because of the nature of the items authorized for disposal and the general records practices of that day. Wastes authorized for disposal consisted primarily of:
- (1) Electron tubes containing both ABC and non ABC regulated radioactive material in a solid form;
- (2) Non ABC regulated low level solid and liquid wastes from weapons maintenance;
- (3) Radioactive self-luminous dials/gauges/circuit breakers containing non AEC regulated radium oxide paint; and
 - (4) Wastes from non AEC regulated radium dial painting operations.

Prior sampling of liquid waste tanks associated with weapons maintenance showed no detectable contamination, indicating liquid volumes generated were small and probably absorbed onto wipes and other materials used for cleaning and disposed of as damp solids rather than liquids. Tanks were primarily intended for catastrophic events requiring wash down of the maintenance bays and were, to the best of our knowledge, never used for such.

- b. Some burials of licensed materials were made in accordance with conditions of a specific AEC [now Nuclear Regulatory Commission (NRC) license issued to a base organization or with prior NRC approval. Examples are medical research wastes at Randolph AFB, Texas, and Magnesium-Thorium alloy residues from BOMARC missile airframes destroyed during missile operations at Vandenberg AFB, California. No burials were ever made under the Air Force Master Materials License, NRC license 42-023539-01AF (which has existed only since 1985) or the Air Force specific license, NRC license 42-05834-04, Docket 34-01466-02, which was terminated when the Master License was issued.
- c. Approved on site burial was discontinued within the Air Force by 1965 except for a few very unusual circumstances.
- d. Guidance on constructing and maintaining typical sites was given in technical order procedures which included identifying site location on appropriate maps and posting and fencing to prevent unauthorized entry. The Air Force switched to disposal at licensed commercial sites in the 1958-1959 time frame and the technical order requirements for burial, and site maintenance requirements, were rescinded. Unfortunately, no alternate instructions were provided on maintaining existing sites and a gradual loss of site records ensued. In 1971, the Air Force initiated an effort to find and



consolidate existing site records and reestablish site maintenance requirements. Since that initial effort, guidance on maintaining sites on active Air Porce installations has been periodically updated; most recently in a 9 August 1988 letter.

- 2. Sites located on active Air Porce installations (includes Air National Guard and Air Force Reserve installations), and whose locations are known, are required to be maintained in compliance with current site maintenance guidance unless a specific waiver is granted by the USAF Radioisotope Committee. Such waivers are few and normally involve sites where:
- a. There is no accessibility to digging equipment because of location or physical barrier such as a building;
- b. Fencing creates a flight or traffic hazard such as in runway approach zones or congested vehicle traffic area; or
- c. The actual site location is simply not known with sufficient accuracy to allow meaningful erection of a barrier.

The location of all sites must be annotated on Tab C-1 of the base master plan. Compliance with maintenance requirements or waiver conditions is verified and enforced as part of routine inspections by the Air Force Inspection Agency, Morton AFB, California. Corrective action is required in instances of noncompliance.

- 3. The Air Force IRP program is designed to interface with regional Environmental Protection Agency, State and Local authorities at the base level. State officials should have copies of the base IRP reports which contain the most current information on sites or alleged sites and their hazard potential and monitoring or remediation plan. The USAF Radioisotope Committee is involved with the IRP process for any identified site on installations currently owned by the Air Force, whether a previously approved site, or not. The Committee provides regulatory guidance and oversight for any invasive characterizations or site exhumations and coordinates licensing issues with MRC for such activities at a given site.
- Aside from having some historical documentation (summarized in the attachments), the RIC is not involved with sites on installations formerly owned by the Air Force. These sites are managed as Formerly Used Defense Sites (FUDS).



ALK PUNCE RADIOACTIVE WASTE BURIAL AND

POTENTIALLY CONTAMINATED SITES

Site site

Remerks Status TYPE

Air Force Plant 3. Tulsa OK

Radium-226 (Ra-226) dials 20109 Shallow Burial Non-NPL

RI/PS Compl

Air Porce Plant 4. Pt Worth TX

Decommissioned reactors, no residual Res Contamination NPL OT19

RI/PS Compl radioactivity found

MPAP

Air Porce Plant BJKS. CO

Magnesium-Thorium (Mag-Thor) alloy parts LP04 Shallow Burial MPL

PA/SI Compl in landfill

RI/FS PY93

Air Force Plant 67. GA

Res Contamination NFAP Former reactor site under State control

> "Hot Cell" building and 3 acre parcel with Cobalt-60 residual contamination

Altus APB OK

Shallow Burial Non-IRP Ra-226 dials/gauges

Andrews AFB NO

Shallow Burial Concrete containers with electron tubes, Non-IRP

PA/SI 1985 Ra-226 dials

MPAP

Barkedale AFB (Bossier Base) LA

Dry site with concrete cap (Uranium **ST30** AEC Site Non-NPL

oxides). 2 Tanks clean; exhumed in 1990 MPAP

Contaminated soil and debris from C-124 9713 Shallow Burial Non-IRP

NFAP crash (Broken Arrow).

Bergstrom APB TX

"Pipe Site" 3 pipes with electron tubes, Ra-226 dials R0/24 Non-NPL

Exhumation planned for CY 92 SI Compl

AIR PORCE RADIOACTIVE WASTE BURIAL AND POTENTIALLY CONTAMINATED SITES

site site

Status TYPE.

Brooks AFB TX

70 microCuries (1972) Iodine-125; Shallow Burial Non-IRP

activity decayed to negligible level NFAP

Buckley ANGE CO

Non-NPL Shallow Burial RW08

Not Listed

Carswell AFB TX

3 pipes; electron tubes, Ra-226 dials "Pipe Site" Non-NPL OT-15

e RI/FS

RD/RA 1983

Castle AFB CA

Electron tubes, Ra-226 dials "Pipe Site" NPL LP04

e RI/FS

Chennault APB LA

Exact location unknown; "Pipe Site" FUD Site

aircraft components (Ra 226)

Clear AFB AK

Shallow Burial Non-NPL RW09

@ RD/RA

Columbus AFB MS

Electron tubes, dials, and aircraft Shallow Burial Non-NPL LF08

filters (fission products) SI Compl

NFAP

Connally AFB TX

Unconfirmed site. Shallow Burial NFAP

Property given to Texas A&M in 1966.

Craig APB AL

Opened 1977; no radioactive material "Pipe Site" NFAP

ALR PORCE RADIOACTIVE WASTE BURIAL AND POTENTIALLY CONTAMINATED SITES

Site	site		
No.	7070	Status	Berezke

Davis-Monthan AFR AZ

4 pipes; electron tubes, Ra-226 dials, 'Pipe Site' **10**016 Non-MPL

medical X-ray tubes and X-ray equipment SI Compl

MPAP

Nuclear cloud sampling aircraft washdown Site 46 Res Contamination Mon-MPL

(Pission products). 0 SI

Dobbins AFB GA

Smyrna and Cobb County property Lot 635 Shallow Burial NFAP

Investigation with State, County and City

failed to confirm alleged site

Duluth MAP MM

Ra-226 dials/scope faces from SAGE system **PM10** Shallow burial Mon-NPL

6 RI/FS

Bulin AFB FL

Depleted Uranium (DU) munitions test Res Contamination Non-MPL **PM40**

residues e Pa

DU munitions test residues R641 Res Contamination Non-NPL

Zinc-65 marker decayed to insignificance e Pa

BOWARC missile remains (Mag-Thor alloy) Shallow Burial R0442 Non-MPL

SI Compl Exhumation planned

DU contaminated steel target plate Shallow Burial Non-IRP

disposed in base landfill

DU munitions test residues C-80B Res Contamination

TA-22 DU munitions test residues Res Contamination

Eiglson AFS AK

Landfill disposal of Smoke Detectors Shallow Burial Non-IRP MPAP

containing Americium-241; similar units

exempt (10 CFR 30.20).

Ellsworth AFB (Rushmore AFS) SD

Dry site (Uranium oxides) under paving; MPL **PS#07** AEC Site

5 tanks - removal planned CY 92. e RI/PS

AIR FORCE RADIOACTIVE WASTE BURIAL AND POTENTIALLY CONTAMINATED SITES

Site Mame	Site Type	Status				
Elmend	orf AFB AK					
RW17	Shallow Burial	NPL • RI/PS	Exhumed Jul 92; no radioactive materials			
Englan	d AFB LA					
RW19	Shallow Burial	Non-NPL SI Compl	Radioluminescent markers from aircraft (Ra-226, Tritium or Strontium-90) Exhumation planned CY 92			
RW20	Shallow Burial	Non-NPL SI Compl	Electron tubes, Ra-226 dials; site existence unconfirmed			
Pairch	ild AFB (Deep Cree	k AFS) WA				
ROV11	ABC Site	NPL PA/SI	Dry site (Uranium oxides); two tanks			
RM25	Well Site	Non-NPL PA/SI	Low level radioactive wastes			
George	APB CA					
RM09	Shallow Burial	NPL SI Compl	Electron tubes, Ra-226 dials. Exhumation planned			
Grisso	AFB IL					
EF3.4	Shallow Burial	Non-IRP	B-58 aircraft remains - Mag-Thor alloy parts, Radium-226 dials/gauges/switches			
JK9	Shallow Burial	Non-IRP	2 sites; B-58 and T-33 aircraft - Mag-Thor alloy parts, Radium-226 dials /gauges/switches			
Griffi	SE APB NY					
SD31	Pipe Site	NPL • RI/FS	Electron tubes, Ra-226 dials/gauges			
Hamilt	Hamilton AFB CA					
	Pipe Site	NFAP	Exhumed 1988; site contents removed to licensed burial site.			

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AIR FUNCE RADIOACTIVE WASTE BURIAL AND POTENTIALLY CONTAMINATED SITES

POS CANTON O TO					
site Tere	Site Type	Status			
Holloma	n APR 194				
0735	Res Contamination	Non-NPL 81 PY93	Research laboratory contaminated waste solvent evaporation site		
RM51	Well Site	Non-NPL PA/SI 1992	Research laboratory contaminated waste solvents; location unknown		
R942	Pipe Site	Non-NPL RI/PS 1992	Research laboratory wastes		
OT32	Res Contamination	NPAP	Collapsed sewer line from research laboratory (Carbon-14).		
SD27	Res Contamination	Non-NPL PA/SI PY93	Nuclear cloud sampling aircraft washdown (Pission products).		
Johnsto	n Island				
RM04	Res Contamination	Non-IRP SI Compl	Lagoon area (Plutonium)		
	Res Contamination	Non-IRP	Contaminated launcher facility.		
Keesler	APR ME				
RN/15	Shallow Burial	Non-NPL 8 RI/PS	Concrete vault; medical radioisotopes (Iodine-125, Cobalt-57) and Ra-226 dials/ scopes. Precise location unknown.		
Lndfill	Shallow Burial	NFAP .	Accidental disposal 4.5 microcurie Ra-226		
Kelly A	PB_TX				
19426	Pipe Site	Non-NPL SI Compl NPAP FY91	23 Pipes; electron tubes, Ra-226 dials, Cobalt-60 test sources. Site configuration waiver		
RM27	Shallow Burial		Contaminated animal carcasses from research laboratory 0 Brooks APB		
Kinchel	Kincheloe AFB MI				
	Shallow Burial	NFAP	Exhumed 1977; contents removed to		

licensed burial site

AIR PORCE RADIOACTIVE WASTE BURIAL AND POTENTIALLY CONTAMINATED SITES

Site Enne	Site Type	Status	
Kirtla	nd APB (Manzano Bas	e)_NM	S≠
LPO6 Site N	Shallow Burial b. 11	Non-NPL RD/RA	Contaminated animal carcasses/solids - activation products/tracers with small amounts of acids, mercury, cyanides & silver; Configuration waiver granted
RM06	Shallow Burial	Non-NPL 6 RI/FS	Contaminated animal carcasses/solids - activation products/tracers with undetermined amount of mercury
LF11	Shallow Burial	Non-NPL 0 RI/PS	Contaminated animal carcasses/solids - activation products/tracers with chemical waste such as formaldehyde.
LF21 Site N	Shallow Burial b. 7	Non-NPL 0 RI/PS	Uranium alloy swipes, gloves, respirator discs and dust; Site believed remediated in 1961.
0710 78-1 t	Res Contamination hru TS-8	Non-MPL 0 RI/PS	Training sites under MRC License 42- 23539-01AF - Thorium-232 oxides.
RM03		Non-NPL 0 RI/PS	
R904 No. 1	Shallow Burial	Non-NPL 0 RI/PS	DOE site; low level fission/activation products, Tritium, Uranium, Thorium and some transuranics totalling 2835 Curies
RM 04	ABC Site	NPAP	Underground storage tank; never used
RM05 No. 3	Shallow Burial	Non-NPL 6 RI/PS	Active DOE site; Detailed records available - DU, mixed fission/activation products and some Plutonium totalling about 7530 Curies and 4380 kilograms of Uranium and Thorium).
RM 05	ABC Site	MPAP	Underground storage tank; never used
RW11 No. 10	Shallow Burial	Mon-MPL 6 RI/FS	Sandia Nat'l Laboratory site containing contaminated animal carcasses from Lovelace facility
RM17 (RL-1)	Shallow Burial	Non-NPL 0 RI/PS	Reportedly exhumed in 1960's
1000000000	2000 0000		- 발발 (전) - 기술 중 - 경 - 전 - 기술(- 경 - 경 - 건 - 건 - 건 - 건 - 건 - 건 - 건 - 건



ABC Site

RM 17

Underground storage tank; never used

ALR PORCE RADIOACTIVE WASTE BURIAL AND POTENTIALLY CONTAMINATED SITES

site Bar	Site	Status	Benezke	L _e			
RW19 (RL-2)	AEC Site	MPAP	Underground	storage	tank;	never	used
29 (23	AEC Site	NPAP	Underground	storage	tank;	never	used
M24 No. 4,5	Shallow Burial 5,6,8,9	Mon-NPL 6 RI/PS	Sandia Nat'	Labora	tory S	it•	

"Dirt mounds" (DM 1-6) probably containing low level wastes have been identified. Mounds 1-3 are 2 miles south of the Manzano area and mounds 4-6 are 2 miles east of Manzano. DNs 1-3 were used by Sandia National Laboratory for chemical wipes.

"Mine shafts" (MS); 2 horizontal and 4 vertical used for disposal of low level wastes.

Site 1/2 mile south of Coyote Springs Rd and 1/2 mile east of Lovelace Rd.

Lackland AFB (Medina Base) TX

R9/15	AEC Site	Non-NPL NPAP	Dry site; investigation showed no radioactive materials - site released
RW16	ABC Site	Non-NPL NPAP	Underground tank; investigation showed no radioactive materials - site released
RW17	AEC Site	Non-NPL 6 RI/PS	Dry site; additional data required to show absence of radioactive materials
R9/18	ABC Site	Non-NPL NFAP	Underground tank; investigation showed no radioactive materials - site released
RN19	AEC Site	Non-NPL NPAP	Liquid disposal site; investigation showed no radioactive materials - site released
R9/20	ABC Site	Non-NPL NFAP	Underground tank; investigation showed no radioactive materials - site released
Langle	V APR VA		
LP46	Shallow Burial	Non-NPL 0 SI	2 Cylinders; electron tubes, Ra-226 dials One exhumed; contents removed to licensed burial site, second not yet found
Laredo	APB TX		

Shallow Burial Investigated in 1975; no radioactive NFAP materials - site released

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AIR PORCE RADIOACTIVE WASTE BURIAL AND

POTENTIALLY CONTAMINATED SITES

Site Enne	Site Type	Status	Remarks		
Little	Rock APB AK				
Pacili	y 1395	NPAP	Concrete vault demolished 1964; no radioactive materials - site released		
Loring	APB (Caribou APS)	_HE			
RH24	ABC Site	MPL 0 RI/PS	Dry site (Uranium oxides); exhumation planned in FY93		
RW25	AEC Site	MPL 6 RI/PS	Dry site (Uranium oxides); exhumation planned in FY93		
R0f2 6	ABC Site	NPL RI Compl	Underground tank; exhumation planned PY93		
RW27	ABC Site	NPL RI Compl	Underground tank; exhumation planned PY93		
RW28	AEC Site	NPL RI Compl	Underground tank; exhumation planned PY93		
RW29	AEC Site	NPL RI Compl	Underground tank; exhumation planned PY93		
RW30	AEC Site	NPL RI Compl	Underground tank; exhumation planned PY93		
LOWIN !	VPB_CO				
LF02	Pipe site	NPAP	Electron tubes		
Luke Al	Luke AFB AZ				
R902	Shallow Burial	NPL 0 RI/PS	Electron tubes		
Malmatr	Malmatrom APB MT				
RW20	Pipe site	Non-NPL RI/PS Compl	4 pipes; electron tubes, Tritiated water		

Electron tubes

Mather AFB CA

RW16

Shallow Burial

P-NPL

NFAP 1990

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AIR PORCE RADIOACTIVE WASTE BURIAL AND POTENTIALLY CONTAMINATED SITES

	P	OTENTIALLY (CONTAMINATED SITES
Site Name	Site	Status	
McChor	A APB WA		1.255
RM35	Disposal Well	NPL NPAP 1991	Investigation showed no radioactive materials
RM03	Shallow Burial	NPL NPAP 1990	Concrete vault - tubes (Krypton-85), Ra-226 dials and Strontium-90 markers
McClel	lan APB CA		*
D P3 0	Res Contamination	MPL • RI/PS	Radioanalytical laboratory waste
8\$ 32	Shallow Burial	NPL SI Compl	Radiologic and chemical wastes
McConn	ell APB KS		
DP13	Shallow Burial	NON-NPL NPAP 1991	Electron tubes, Ra-226 dials
McCov	AFB PL		
	Shallow Burial	NPAP	Investigation could not find site
McQuir	e AFR NJ		
RM01	Res Contamination	Non-NPL 0 RI/FS	Plutonium-239 from 1960 BOMARC missile accident
Hoody	AFB GA		
LP03	Shallow Burial	Non-NPL 0 RI/PS	Electron tubes, Ra-226 dials
Mounta	in Home APB ID		
R0/14	Pipe wite Shallow burial	NPL GRI/PS	1 pipe and possibly a drum; electron tubes, Ra-226 dials. Exhumation planned.
Miniz	ANG PR		

Shallow Burial

OTO2

Non-NPL

e si

Aircraft wreckage possibly containing

DU weights and Krypton-85 oil gauge

source tubes. Exhumation directed.

AIR FORCE RADIOACTIVE WASTE BURIAL NED

POTENTIALLY CONTAMINATED SITES

Site	Site
Marsa	TVDA

Status Remarks

Myrtle Beach AFB SC

Concrete vault; electron tubes. Search Shallow Burial Non-NPL **RW15**

SI Compl unable to locate; possibly previously

NFAP exhumed

Nellis APB (Lake Mead Base) NV

Dry site (Uranium oxides); estimated Non-NPL RW10 AEC Site

RI/PS Compl 2650 lbs of contaminated process

waste - gloves, desiccant, paper NFAP

Underground tank; exhumation planned RW21 AEC Site Non-NPL

RI/FS Compl CY93

Leach pit under concrete apron - 2 to Res Contamination Non-NPL RW31

> 3 gal liquid waste SI Compl

Investigation found no evidence of Shallow Burial Non-NPL RW40

RI/PS Compl radioactive material

NFAP

Nuclear cloud sampling aircraft washdown SD-26 Res Contamination Non-NPL

RI/FS Compl (Pission products).

NFAP

SD-46 Res Contamination Non-NPL Nuclear cloud sampling aircraft washdown

RI/PS compl (Pission products) at Indian Springs.

MFAP

Active DU test area; DU munitions Res Contamination NFAP Range

63 debris

R0(20

Radium-226 dial painting wastes; Shallow Burial NPL

RI/FS Compl specific site not found

Nuclear cloud sampling aircraft washdown Res Contamination

(Pission products).

O'Hare APB IL

Norton AFB

Concrete vault; electron tubes RW11 Shallow Burial Non-NPL

Compl SI Search unable to locate vault

NPAP

RADIOACTIVE WASTE BURIAL AND

POTENTIALLY CONTAMINATED SITES

Ate Site

Done Status Remarks

Offutt APB NB

mos Shallow Burial Non-NPL Small lead container; search failed to

NFAP locate

OCIS ANG MS

1797 Shallow Burial NPL Electron tubes

Compl SI

Patrick APB (Cape Kennedy APS) FL

COAPS Shallow Burial Non-IRP 3 animal carcasses; Chromium-51, Tritium

Landfill NPAP Remaining activity insignificant

Perrin AFB TX

Shallow Burial PUD Site Can of electron tubes

Grayson County TX owns property

handolph APB TX

BMO3 Shallow Burial Non-NPL Research wastes, NRC licensed material

Compl SI - Carbon-14, Cerium-144, Cesium-137

Exhumation planned

Richards-Gebeur AFB HO

IR005 Pipe Site FUD site Electron tubes, Ra-226 dials

Pobine AFB GA

MM15 Shallow Burial Non-NPL Concrete vault; Ra-226 dial painting

6 RA wastes

Scott APB IL

Pipe Site Non-IRP Electron tubes, Ra-226 dials

PA/SI FY93

Sheppard AFB TX

(LLEWI)

mon Pipe Site Non-NPL Medical X-ray waste; search failed to

Compl RI/PS locate site

NFAP

NOS Shallow Burial Non-NPL Vault; radioactive tool

Compl SI Search failed to locate site

NFAP

AIR FORCE RADIOACTIVE WASTE BURIAL AND POTENTIALLY CONTAMINATED SITES

Site Mane	Site DOM:	Status	- Benezita
Sioux C	ity ANG IA		
R002	Pipe Site	Non-NPL 0 RI/PS	Electron tubes; Ra-226 dials
Sundanc	APS WY		
PM-1	Shallow Burial	NFAP	Decommissioned Nuclear Reactor; fuel an core removed - Activation products.
Tinker	APB		
RW25 (1030W)	Shallow Burial	Non-NPL Compl RA	Ra-226 dial painting wastes
RM26 (2018)	Shallow Burial	Non-NPL Compl RA	Ra-226 dials and paint solids
BM27 Area 62	Shallow Burial 598	Non-NPL NPAP	Site exhumed; no radioactive material present
R0728 (4000)	Shallow Burial	Non-NPL SI Compl NPAP	Mag-Thor engine components Search found no indication of site
RW29 (1022E)	Shallow Burial	Non-NPL NPAP	Site exhumed; radioactive materials removed to licensed burial site
Travia	AFB (Pairchild A	PS) CA	
RW12 (RD-1)	ABC Site	NPL Compl SI	Underground tank

Turner AFB (NAS Albany) GA

ABC Site

Shallow Burial

Vandenberg AFB CA

RW13

(RD-2)

B-7 Shallow Burial Non-IRP BOWARC missile remains (Mag-Thor alloy)

D-5 Shallow Burial Non-IRP BOMARC missile remains (Mag-Thor alloy)

Yolk Pield WI

DP11 Pipe Site Non-NPL Electron tubes

0 RI/PS

Compl SI

Dry site (Uranium oxides)

ALK FURLE RADIOACTIVE WASTE BURIAL AND

POTENTIALLY CONTAMINATED SITES

site Site

Type Status Remarks

Mestover AFB (Stoney Brook AFS) MA

LP02 Non-MPL

@ RI/PS

Shallow Burial **R0004** Concrete vault; electron tubes Non-NPL

RI/PS Compl Search unable to locate

MPAP

APC Site Underground tank Non-NPL

ABC Site Underground tank Non-NPL

AEC Site Dry Site (Uranium oxides) Non-NPL

Pacility 11922 7777

Whiteman APB MO

RH09

Shallow Burial Non-NPL Electron tubes; Ra-226 dials

Compl SI

M/10 Shallow Burial Non-NPL Electron tubes; Ra-226 dials;

(1275) Compl SI exploratory exhumation failed to locate

Williams APB AZ

RW11 Pipe Site NPL Electron tubes 0 RA

Wright-Patterson APB OH

R060 Shallow Burial Exhumed; no radioactive materials found NPL

Site 'created' by administrative error MFAP

in coding packaging/holding area

RW61 Res Contamination NPL Reactor containment dome, bulk shield and

tankage - activation products, Cobalt-60 @ RI/PS

Reactor core and fuel disposed.

ALK EVELE RADIOACTIVE WASTE BURIAL ND

POTENTIALLY CONTAMINATED SITES

Site Site

Type Status

Youngstown NY

RW02 Res Contamination Non-MPL AF property clean; parcel of larger site

Non-IRP having residual contamination

e RI/PS

Abbreviations: Compl SI - Completed Site Inspection Phase

@ RI/PS = Remedial Investigation/Peasibility Study underway

PA/SI Compl= Preliminary Assessment/Site Investigation

completed

= Not Available NA RA - Remedial Action = Remedial Design RD

- No Puther Action Planned NPAP Not Listed - Site not listed in DERPMIS

= Site included on Mational Priorities List NPL = Potential Mational Priorities List site P-NPL