

ER Record I.D.# 0001904

ENVIRONMENTAL RESTORATION PROGRAM  
Records Processing Facility  
ER Records Index Form  
(Side 1 of 2)

DATE RECEIVED: 9/18/91 PROCESSOR: jas

Part I: Complete all fields; indicate NA (Not Applicable) if appropriate. Please write legibly.

DOCUMENT TO: M.J. Aldrich

DOCUMENT DATE: 5/13/91

ORIGINATOR NAME: Carole A. Loyk

ORGANIZATION: NA

SYMBOL: NA

PAGE COUNT: 5

SUBJECT TITLE: Record of Bob Drake interview for OLI 1071  
Work Plan

RECORD TYPE (Circle relevant type):

Analytical Data  
Chain-of-Custody  
Computer Output  
Contract  
Drawing  
Fax

Figure  
Interview  
 Logbook  
Map  
Memo

Microform  
Notebook  
Personal Notes  
Photo  
Plan  
Proceeding

Purchase Request  
Receipt Acknowledgment  
Report  
Study  
Telephone Record  
Transcription

Video  
Work Plan

RECORD CATEGORY: NA P

RECORD PACKAGE # NA

Part II: Complete all fields; indicate NA (Not Applicable) if appropriate. Please write legibly.

TECH AREA(S)

SUMMARY NO(S)

ADB NO(S)

STRUCTURE NO(S)

LIST ABBREVIATED TECH AREA(S) HERE  
TA-19  
TA-26  
TA-D  
TA-73

LIST ABBREVIATED SUMMARY NO(S) HERE  
0-001 -  
0-004 -  
0-005 -  
0-010 -  
0-011d -  
0-011e -  
0-011f -  
0-012 -  
0-018 -  
0-019 -  
0-025 -  
0-026 -  
0-027 -  
0-028 -  
0-029 -  
0-030 -  
0-033 -

LIST ABBREVIATED ADB NO(S) HERE  
1071

LIST ABBREVIATED STRUCTURE NO(S) HERE  
NA



7781

0001-100-0

0001-100-0

Part III: Complete all fields; indicate NA (Not Applicable) if appropriate. Please write legibly.

<p><b>WFO NUM</b></p> <p style="font-size: small;">LIST ONLY NUMBERS HERE</p> <p style="font-size: x-large; font-weight: bold;">1,5,4</p>	<p><b>DOCUMENTS</b></p> <p style="font-size: small;">LIST ONLY FILE NUMBERS HERE</p> <p style="font-size: x-large; font-weight: bold;">NA</p>	<p><b>ORIGINATOR NAMES</b></p> <p style="font-size: small;">LIST ONLY FULL ORIGINATOR NAME</p> <p style="font-size: x-large; font-weight: bold;">R. Drake</p>
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CORRECTION Y/N: NA PREVIOUS ER ID NO: NA

CORRECTION DESCRIPTION: NA

SUPERSEDE: NA DELETION: NA ADDITION: NA REVISION: NA

Part IV: Complete all fields; indicate NA (Not Applicable) if appropriate. Please write legibly.

MISCELLANEOUS 1: AA Work Plan 1071

MISCELLANEOUS 2: NA

**KEYWORDS:** Check relevant KEYWORDS from the list below.

<p>Accelerator Accident Acid AEC (Atomic Energy Commission) Ab Alpha American Analysis Aquifer AOC (Area of Concern) ARAR (Applicable, Relevant, or Appropriate Requirements) Archaeology Arsenic Asbestos Audit  Barium Berkelium Beryllium Beta Biology Budget Bum  Cadmium Cadmium Cadmium CEARP (Comprehensive Environmental Assessment and Response Program) CEQRA (Comprehensive Environmental Response, Compensation, and Liability Act) Cesium Change Control Chemical Chromites Cleanup Closure CMM/RA (Corrective Measures Implementation/Remedial Action) CMM/PS (Corrective Measures Study/Feeability Study) Community Relations Computer Modeling Construction Contaminant</p>	<p>Container Contract Controlled Distribution Correspondence  DQG (Data Quality Objectives) CERCLA Decision Analysis Decommission Decontamination Deficiency Report Demolition Detector Disposal DOE (Department of Energy) Draft Drainage Drainline Drilling  Ecology Emission Engineering Environmental Research EPA (Environmental Protection Agency) ERDA (Energy Research and Development Administration) Erosion ES&amp;H (Environment, Safety, and Health) Explosion Explosion  Fence FIM/AD (Facility for Information Management, Analysis, and Display) Fire Fire Fuel  Gamma Gas Geochemistry Geology Geophysics Guidance Hazardous</p>	<p>High Explosive History Hydrology MSWA (Hazardous and Solid Waste Amendments)  Implosion Insulation Inventory Inventory Inventory IRM (Interim Remedial Measure) Isotope ISMP (Installation Work Plan)  Landfill Leach Field Lead Leak Liquid  Marble MBA (Material Disposal Area) Mercury Metal Minerals Mixed Waste Model Monitoring Monthly Report  NEPA (National Environmental Policy Act) NMED (New Mexico Environmental Division) NMED (New Mexico Environmental Improvement Division) NPDES (National Pollutant Discharge Elimination System) NRC (Nuclear Regulatory Commission)  OS OU (Operable Unit) Organic OSHA (Occupational Safety &amp; Health Administration) Outfall</p>	<p>PA/RA (Preliminary Assessment/RCA Facility Assessment) PCB (Polychlorinated Biphenyls) Permit Personnel Description Personnel Qualification Photo Pilot Studies Pipe Plant PL Plutonium Potassium PRB (Potential Release Site) Procedure Propellant  QA (Quality Assurance) QP (Quality Procedure)  Radioactive Radiocemetry Radionuclide RCRA (Resource, Conservation and Recovery Act) Regulators Regulation Release RI/FSI (RCRA Facility Investigation/Remedial Investigation) Risk RPF (Records Processing Facility)  Safety Sample Sampling Plan Schedule Scraper Seep Sediment Septic Sewer Sheet Silver Soil Solvent Spill Stack</p>	<p>SOP (Standard Operating Procedure) Statistics Stigmene Strontium Structure Subsurface Sump Surface Surveillance Survey Locations Swipe SWMU (Solid Waste Management Unit)  Tanks TCLP (Toxicity Characteristic Leaching Procedure) Testing Test Area TLD (Thermoluminescent Dosimeter) Toxic Metal Training Transport Trench Tritium TRU (Transurans) TSCA (Toxic Substances Control Act) Tuff  Uranium USGS (United States Geological Survey) UST (Underground Storage Tanks)  VE (Value Engineering) Ventilation Volatiles  Waste Water Waterfall Waste Work Plan  Zinc</p>
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## RECORD OF BOB DRAKE INTERVIEW FOR OU-1071 WORK PLAN

The following is a record of the interview which was conducted with former Los Alamos National Laboratory employee Bob Drake from 9:00 AM to 11:00 AM on Tuesday, May 14, 1991. The interview was conducted in order to obtain additional information on operations in, and potential wastes generated at Technical Areas (TAs) 0, 19, 26, and 73 which are within Operable Unit (OU) 1071. Participants of the interview included: J. Aldrich, EES-1; C. Harrington, EES-1; A. Adams, EES-1; C. Lojek, IT-Los Alamos; D. Filemyr, IT-Los Alamos; and K. Kaal, IT-Los Alamos.

At the beginning of the interview, Bob Drake mentioned that he worked at Los Alamos National Laboratory as a Division Leader for WX Division from 1948 until retirement. The WX Division was primarily involved with conducting weapons experiments at the Laboratory. The following represents Mr. Drake's response to specific questions about Solid Waste Management Units (SWMUs) located in OU 1071.

### TECHNICAL AREA-0

Mortandad canyon surface impoundments (SWMU 0-001) - Mr. Drake had no specific information on surface impoundments in Mortandad Canyon.

Container storage area/6th Street Warehouse (SWMU 0-004) - Mr. Drake had no specific information on materials housed at the container storage area in the 6th Street Warehouse.

Mortandad Canyon landfill (SWMU 0-005) - Mr. Drake had no specific information on the Mortandad Canyon landfill.

Surface disposal near MDA-B (SWMU 0-010) - Mr. Drake had no specific information on the surface disposal area near MDA-B.

Mortar impact area at Barranca (SMWU 0-011d) - Mr. Drake mentioned that the Barranca mortar impact area was used as a bazooka impact area for a brief period of time, after which the area was abandoned and further activities were conducted at Pajarito site. He also mentioned that 60mm rounds were fired to the north into Bayo Canyon from the area which is currently the Rodeo Grounds.

Mortar impact area at 37mm canyon (SWMU 011e) - Mr. Drake felt that Cabra Canyon may be 37mm canyon. He mentioned that tanks operated by "weekend soldiers" were driven into Rendija Canyon to fire 37mm rounds.

Mortar impact area near old firing range (possible new SWMU 0-011f) - Mr. Drake had no specific information on this potential new SWMU located west of Guaje Pines Cemetery. Mr. Drake could not identify an object photographed at this area, however, he felt that it was not associated with explosives. He also recommended that Mike Clancy

in Albuquerque be contacted to identify the object.

Western steam plant (SWMU Q-012) - Mr. Drake had no specific information on Western Steam Plant operations.

Pueblo and Bayo wastewater treatment plants (SWMU Q-018) - Mr. Drake had no specific information on Pueblo and Bayo Wastewater Treatment Plant operations.

Central wastewater treatment plant (SWMU Q-019) - Mr. Drake had no specific information on operations at the Western Steam Plant.

Tank mesa landfill (SWMU Q-025) - Mr. Drake recalled that MP's drove M-5 tanks on the mesa and fired 37mm rounds in all directions; he wasn't sure if Otowi Mesa was actually "tank mesa". Mr. Drake suggested contacting either Elvin Van Vesseem or Phil Daly regarding Tank mesa.

Gun mount landfill (SWMU Q-026) - Mr. Drake had no specific information on the location of the gun mount landfill on North Mesa. He mentioned that several other buried gun mounts were located during a 1963 investigation including one at Anchor Ranch (TA-9), and one located west of the Pro-Force range. Mr. Drake suggested that Walt Bramlett, formerly a LANL archivist, may know about a report documenting this investigation.

DP Road storage area (SWMU Q-027) - Mr. Drake had no specific information on the location or the operations of the drum storage area at this site.

Golf course (SWMU Q-028) - Mr. Drake had no specific information on the irrigation of the golf course using effluent from Central and Pueblo Wastewater Treatment Plants.

PCB transformers (SWMU Q-029) - Mr. Drake had no specific information on the locations of these PCB transformers.

Septic systems (SWMU Q-030) - Mr. Drake had no specific information on the location, or buildings served by the septic systems.

Former Zia warehouses (SWMU Q-033) - Mr. Drake had no specific information on the operations conducted at the Zia warehouses.

#### TECHNICAL AREA-19

Septic tank(s) - Mr. Drake had no specific information on the septic tanks located at TA-19.

Control, source, and calibration buildings - Mr. Drake had no specific information on the control, source, and calibration buildings at TA-19.

Physics Division operations - Mr. Drake had no specific information about types of

operation or materials which were used by the Physics Division at TA-19 from 1945 to 1947.

Animal irradiation experiments - Mr. Drake believed that H-4 Division oversaw rat and rabbit activities at East Gate Laboratory. He said that the animal irradiation experiments may have been conducted for the chimpanzee in space program. He suggested contacting Betty Rogers-Jackson in White Rock, formerly a biologist at H-4 Division, for more information.

D&D activities - Mr. Drake had no specific information as to how and when the buildings at TA-19 were decontaminated and decommissioned.

Spills - Mr. Drake had no specific information on spills that may have occurred at TA-19.

### TECHNICAL AREA-26

Vault - Mr. Drake thought that the vault at TA-26 was used for HE storage. He had no specific information on storage of other materials at the vault. Mr. Drake did not think that atomic bomb components were stored at the vault, since the ice house at TA-1 was used for this purpose. He suggested talking to J. Wexler in Los Alamos or Roger Westcott in Albuquerque.

D&D activities - Mr. Drake had no specific information as to how and when the buildings at TA-26 were decontaminated and decommissioned.

Equipment room - Mr. Drake had no specific information on the equipment room at TA-26.

Spills - Mr. Drake had no specific information on spills that occurred at TA-26.

Septic system - Mr. Drake had no specific information as to how the septic lines and septic tank at TA-26 were decommissioned.

### TECHNICAL AREA-73

Radioactive burial site - Mr. Drake had no specific information on the existence of a radioactive burial site in the vicinity of the airport.

Kappa site waste disposal - Mr. Drake explained that experiments at Kappa site (TA-36) generated post shot debris such as coaxial cables and depleted uranium. He thought that post shot debris may have been taken to the airport landfill by the Zia Company, as necessary. He suggested contacting Frances Dunne in Sante Fe about this practice. It was Mr. Drake's feeling that nothing hazardous would have left Kappa site, and that any contaminated materials would have been buried at the site.

Hot mix asphalt batch plant - Mr. Drake had no specific information on the asphalt plant at TA-73.

Source of animal carcasses - Mr. Drake had no specific information on animal carcasses sent to the landfill at TA-73. He suggested calling Julie Grilly about the animal carcasses.

Waste oil pit - Mr. Drake had no specific information on operation of the waste oil pit at TA-73.

Landfill trenching efforts - Mr. Drake recalls methane leakage occurring at the landfill and the construction of the hazardous cargo loading area. He had no first hand knowledge of trenching operations at the landfill.

Incinerator operations - Mr. Drake recalled that the incinerator at TA-73 was used by the Pro Force to burn classified documents. He had no specific information as to how the incinerator was decommissioned.

Steam cleaning plant operations - Mr. Drake had no specific information on the steam cleaning operations at TA-73.

D&D activities for septic systems - Mr. Drake had no specific information as to how the septic lines and septic tanks in TA-73 were decommissioned.

Surface disposal - Mr. Drake had no specific information as to the origin of the surface disposal area on the mesa south of the airport.

Spills - Mr. Drake had no specific information on spills that may have occurred at TA-73.

5-609-1-1000

5-609-1-1000