Los Alamos Environmental Restoration Records Processing Facility

ER Record I.D.# 0000628

DATE RECEIVED: 9-18-91 PROCESSOR: YCS

LOS ALAMOS

LOS ALAMOS NATIONAL LABORATORY

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

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

DOCUMENT TO: S. E. Russo DOCUMENT DATE: 4/20/65

ORIGINATOR NAME: Carl Buckland ORGANIZATION: H-1

SYMBOL: NA PAGE COUNT: 2

SUBJECT/TITLE: Radioactive Contamination Survey Results at D-Site Vault Area, TA-26-1, 5, 6

RECORD TYPE (Circle relevant type):

Analytical Data	Figure	Microform	Purchase Request	Video
Chain-of-Custody	Interview	Notebook	Receipt Acknowledgment	Work Plan
Computer Output	Letter	Personal Notes	Report	
Contract	Logbook	Photo	Study	
Drawing	Map	Plan	Telephone Record	
FAX	Memo	Procedure	Transcription	

RECORD CATEGORY: ~~A~~ P RECORD PACKAGE # NA

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

TECH AREA(S)	SWMU NO(S)	ADS NO(S)	STRUCTURE NO(S)
LIST RELEVANT TECH AREA(S) HERE.	LIST RELEVANT SWMU(S) HERE.	LIST RELEVANT ADS NO(S) HERE.	LIST RELEVANT STRUCTURE NO(S) HERE.
26	NA	1071	26-1 26-5 26-6

7772

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

WBS NO(S)	DOCUMENT TO	ORIGINATOR NAMES
LIST RELEVANT WBS NO(S) HERE.	*LIST MULTIPLE RECIPIENTS HERE.*	*LIST MULTIPLE ORIGINATORS HERE.*
1.5.4.1	Na	Na

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: ~~Na~~ Work Plan 1071

MISCELLANEOUS 2: Na

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

Accelerator
Accident
Acid
AEC (Atomic Energy Commission)
Air
Alpha
Americium
Analysis
AOC (Area of Concern)
Aquifer
ARAR (Applicable, Relevant, or Appropriate Requirements)
Archeology
Arsenic
Asbestos
Audit

Bacteria
Barium
Beryllium
Beta
Biology
Budget
Burn

Cadmium
Canyon
Caustic
CEARP (Comprehensive Environmental Assessment and Response Program)
CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)
Cesium
Change Control
Chemical
Chromium
Cleanup
Closure
CMI/RA (Corrective Measures Implementation/Remedial Action)
CMS/FS (Corrective Measures Study/Feasibility Study)
Community Relations
Computer Modeling
Construction
Contaminant
Contamination

Contract
Controlled Distribution
Correspondence

DQO (Data Quality Objectives)
Debris
Decision Analysis
Decommission
Decontamination
Deficiency Report
Demolition
Detonator
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&H (Environment, Safety, and Health)
Excavation
Explosive

Fence
FIMAD (Facility for Information Management, Analysis, and Display)
Fire
Firing Site
Fuel

Gamma
Gas
Geochemistry
Geology
Geophysics
Guidance
Gun

Hazardous
High Explosive

History
Hydrology
HSWA (Hazardous and Solid Waste Amendments)

Implosion
Impoundment
Incinerator
Inorganic
IRM (Interim Remedial Measure)
Isotope
IWP (Installation Work Plan)

Landfill
Leach Field
Lead
Leak
Liquid

Manhole
MDA (Material Disposal Area)
Mercury
Metal
Minutes
Mixed Waste
Model
Monitoring
Monthly Report

NEPA (National Environmental Policy Act)
NMED (New Mexico Environmental Division)
NMEID (New Mexico Environmental Improvement Division)
NPDES (National Pollutant Discharge Elimination System)
NRC (Nuclear Regulatory Commission)

Oil
OU (Operable Unit)
Organic
OSHA (Occupational Safety & Health Administration)
Outfall

PA/RFA (Preliminary Assessment/RCRA Facility Assessment)
PCB (Polychlorinated Biphenyl)
Permit
Personnel Description
Personnel Qualification
Photo
Pilot Study
Pipe
Plant
Pit
Plutonium
Polonium
PRS (Potential Release Site)
Procedure
Propellant

QA (Quality Assurance)
QP (Quality Procedure)

Radioactive
Radiochemistry
Radionuclide
RCRA (Resource, Conservation and Recovery Act)
Reference
Regulation
Release
RFI/RI (RCRA Facility Investigation/Remedial Investigation)
Risk
RPF (Records Processing Facility)

Safety
Sample
Sampling Plan
Schedule
Scrubber
Seep
Semivolatile
Septic
Sewer
Shaft
Silver
Soil
Solid
Solvent
Spill
Stack

SOP (Standard Operating Procedure)
Statistics
Steamline
Storage
Strontium
Structure
Subsurface
Sump
Surface
Surveillance
Survey Location
Swipe
SWMU (Solid Waste Management Unit)

Tank
TCLP (Toxicity Characteristic Leaching Procedure)
Testing
Test Area
TLD (Thermoluminescent Dosimeter)
Toxic Metal
Training
Transport
Trench
Tritium
TRU (Transuranic)
TSCA (Toxic Substances Control Act)
Tuff

Uranium
USGS (United States Geological Survey)
UST (Underground Storage Tanks)

VE (Value Engineering)
Ventilation
Volatile

Waste
Water
Waterboiler
Weapon
Wells
Work Plan

Zinc

34 (10)

OFFICE MEMORANDUM

TO : S. E. Russo, Group Leader, ENG-3 DATE: April 20, 1965

THRU : Leo G. Chelius, Alternate Group Leader, H-1

FROM : Carl Buckland, Leader, General Monitoring Section, H-1

SUBJECT: RADIOACTIVE CONTAMINATION SURVEY RESULTS AT D-SITE VAULT AREA, TA-26-1, 5, 6

SYMBOL : H-1

The above subject area was monitored on April 19, 1965, with the following results:

Grounds area -
Free from contamination.

5 vault doors -
Free from contamination.

East vault room -
Floor area, zero to 700 c/m* with no removable count by swipe. Heat or air conditioning duct work and light fixtures read up to 100 c/m.

North center room -
100 to 700 c/m on all floor area with no swipe count and 50 to 100 c/m on ducts and light fixtures.

South center room -
Shelving 200 to 500 c/m. Floor, 2000 to 10,000 c/m** with appreciable swipe activity. Light fixtures and ventilation ducts, 1500 c/m with appreciable swipe activity. Step ladder, 1500 c/m.

Southwest room -
Floors 1500 c/m all over with spots to 2000 c/m. Slight amount of removable activity by swipe. 200 to 400 c/m on ducts and light fixtures.

Northwest room -
Floors 200 to 2500 c/m. 200 to 400 c/m on light fixtures and ducts.

Concrete ramp north side -
300 to 1200 c/m.

Recommendations:

1. Damp mop south center room to remove loose alpha contamination.
2. Under H-1 cognizance, remove entire vault (TA-26-1) and settling sump (TA-26-6) and plumbing leading to and from the sump for disposal by one or both of the following suggestions
   (a) Remove to the contaminated dump.
   (b) Remove to a nearby canyon or draw where it can be covered with about 3 feet of earth.

Received by ER-RPF
SEP 18 1991
YCS

LASL AEC OFFICIAL USE ONLY

Discussion of Recommendations:

1. Some effort should be made to remove readily removable count before heavy equipment attacks the building and scatters residue to the four winds (item 1 above).

2. Complete decontamination is impractical in this case due to the poor condition of the concrete and covering with green "Ammercoat" paint. A spill occurred within the vault in the late forties or early fifties that could never be completely decontaminated and was, therefore, overpainted. From an economic standpoint, it is unwise to spend considerable money to decontaminate something that can't be sold.

3. The settling sump and pipes should be removed due to the contamination found on the floor of the vault. Four floor drains are located in the mostly highly contaminated room (south center room) and they all lead to TA-26-6. There was no other evidence that could be found which would confirm our assumption that the settling sump and pipes are contaminated.

and settling sump

4. The septic tank (TA-26-5) was not monitored but is not considered to be contaminated from radioactive materials since it was used only for the toilet and sink, both located in the east room. The east room is the least contaminated of all.

Carl Buckland

Carl Buckland

CB/es
cc: ENG-4
File thru C. Blackwell

* All mention of c/m refers to alpha contamination only, as measured with a Ludlam Model 11 instrument having a 60 sq. cm. probe. The contaminate in the building is probably enriched uranium (U^{235}) and U^{233}. No beta-gamma activity could be detected with hand survey instruments.

**Alpha contamination as measured with an alpha floor monitor (Eberline FM-30 having a probe with 68 sq. in. of detecting area.)