Los Alamos Environmental Restoration Records Processing Facility

ER Record I.D.# 30581

DATE RECEIVED: 01-07-93 PROCESSOR: [illegible]

LOS ALAMOS

LOS ALAMOS NATIONAL LABORATORY

ENVIRONMENTAL RESTORATION
Records Processing Facility
ER Record Index Form
(Slide 1 of 2)

Part I: Complete all fields; indicate if not applicable or appropriate; please write legibly.

DOCUMENT TO: — DOCUMENT DATE: —

ORIGINATOR NAME: — ORGANIZATION: —

SYMBOL: — PAGE COUNT: 4

SUBJECT/TITLE: 1994 Standard Operating Procedure For Burial of Explosive-Contaminated Scrap and Equipment Classified and Unclassified

RECORD TYPE (Circle relevant type for primary record; type of attachments should be selected on *Keywords List*):

Analytical Data	FAX	Map	Plan	Study
Chain of Custody	Figure	Memo	Procedure	Telephone Record
Computer Output	Form	Microform	Progress Report	Transcription
Contract	Interview	Notebook	Receipt Acknowledgment	Video
Controlled Distribution	Letter	Personal Notes	Report	Work Plan
Drawing	Logbook	Photo	Review	Other:

RECORD CATEGORY: P
(P for Pertinent/Auditable or R for Reference)

RECORD PACKAGE #: —

RECORD FILMED (Y/N): Y

RECORD LOCATION: —
(Indicate location of record if not filmed.)

Part II: Complete all fields; indicate if not applicable or appropriate; please write legibly. Use *ER Record Index Form Attachment Sheet* if needed.

ATTACHMENTS FILMED (Y/N): —
(Were attachments to this record filmed?)

LOCATION: —
(Indicate location of attachments.)

TECH AREA(S)	ADS NO(S)	WBS NO(S)	STRUCTURE NO(S)/MEDIA
ANY RELEVANT TECH AREAS	ANY RELEVANT ADS NOS	ANY RELEVANT WBS NOS	ANY RELEVANT STRUCTURE NO/MEDIA
—	—	—	—

11496

Part III: Complete all fields; indicate if not applicable or appropriate; please write legibly. Use *ER Record Index w/Attachment Sheet* if needed.

FROM NOTE	DOCUMENT TO	ORIGINATOR NAMES
LIST MULTIPLE NAMES	*LIST MULTIPLE RECIPIENTS*	*LIST MULTIPLE ORIGINATORS*

Correspondence Type: _____
(Is this a correction to a record previously processed?)

CORRECTED #: _____
(If answer is Yes, please give ER Record # for corrected record.)

Supplemental Information (Optional): _____

Instructions: _____ **REPLACE:** _____ **DELETE:** _____ **ADD:** _____ **REVISE:** _____

ATTACHMENT LIST

Attachment Number

KEYWORDS: Circle relevant KEYWORDS from the list below for ER Record # 30561

MISCELLANEOUS (List other indexing criteria as necessary; please write legibly): Subject File; -

Area C

Abandon
Aboveground Tank
Absorption
Abstract
Accelerator
Access
Accident
Accumulation
Acid
Active
Administrative
ADS (Activity Data Sheet)
Adsorption
AEC (Atomic Energy Commission)
Aerial
Agenda
Agreement
Air
Alpha
Americium
Analysis
Analytical
AOC (Area of Concern)
Approval
Aquifer
ARAR (Applicable, Relevant, or Appropriate Requirements)
Archaeology
Archive
Area
Arsenic
Asbestos
Asphalt
Assessment
Audit

Backfill
Bacteria
Barium
Baseline
BCP (Baseline Change Proposal)
Beds
Bermed Area
Beryllium
Beta
Biology
Blank
Boiler
Boneyard
Bunker
Buried
Burn
Burn Site

Cadmium
Caisson
Calibration
Canyon
Capacitor
Caustic
CEARP (Comprehensive Environmental Assessment and Response Program)
Cement
CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)
Certification
Cesium
Chain of Custody
Chamber
Change Control
Change Order
Charge
Chart
Checklist
Chemical
Chromium
Cleanup
Clearance
Closure
Clothing
CMI/RA (Corrective Measures Implementation/Remedial Action)
CMS/FS (Corrective Measures Study/ Feasibility Study)
Cobalt
Comment
Committee
Community Relations
Compliance
Compressed Gas
Computer Modeling
Computer Output
Concern
Concrete
Concurrence
Configuration
Construction
Container
Containment
Contaminant
Contract
Control
Controlled Distribution
Core
Corrective Action
Correspondence
Criteria
Cyanide

Data
Deadline
Debris
Decision Analysis
Decommission
Decontamination
Deficiency
Deliverable
Demolition
Description
Detection
Detonation
Development
Discharge
Disposal
Documentation
DOE (Department of Energy)
Dose
DQO (Data Quality Objectives)
Draft
Drainage
Drainline
Drawing
Drilling
Drop Tower
Drum
Dry Well
Dump
Duplicates

Ecology
Effluent
EIS (Environmental Impact Statement)
Emission
Engineering
Environmental
EPA (Environmental Protection Agency)
Equipment
ERDA (Energy Research and Development Administration)
Erosion
Error
ES&H (Environment, Safety, and Health)
Estimate
Evacuation
Evaluation
Evaporator
Excavation
Exclusion
Exhaust
Experiment
Explosive
Exposure
Extension
Extraction

Facility
Fallout
Farm
FAX
Fence
Field
Figure
Filter
FIMAD (Facility for Information Management, Analysis, and Display)
Finding
Fire
Firing Site
Fiscal
Fission
Five-Year Plan
Flow
Flow chart
Fluid
Form
Framework
Free
Fuel
Fume

Gamma
Gas
Generation
Generic
Geochemistry
Geology
Geophysics
Glass Beaker
Glove Box
Graph
Guidance
Gun

Handling
Hazardous
Health
HE (High Explosive)
History
Hole
Home Owner
Hood
HSWA (Hazardous and Solid Waste Amendments)
Hydrology
Hygiene

Impact
Implementation
Implosion
Impoundment
Inactive
Incident
Incinerator
Industrial
Infiltration
Injection Well
Injury
Inorganic
Inspection
Installation
Interim
Interim Action
Internal
Interview
Inventory
Investigation
IRM (Interim Remedial Measure)
Isotope
IWP (Installation Work Plan)

Lab Job
Laboratory
Lagoon
Land
Landfill
Laundry
Leach
Lead
Leak
Legal

Lagoon
Lamp
Land
Leak
Log
Logbook

Magazine
Management
Manifest
Map
Material
MDA (Material Disposal Area)
Meeting
Memo
Memorandum
Metal
Microfilm
Microfiche
Minutes
MOU (Memorandum of Understanding)
Mixed Waste
MDA (Mixed Disposal Area)
Model
Monitor
Monitoring
Monthly Report
Mortar Impact Area
MOU (Memorandum of Understanding)
MWS (Water System Management)

NPDES (National Pollutant Discharge Elimination System)
NEPA (National Environmental Policy Act)
NPL (National Priorities List)
NOAA (National Oceanic and Atmospheric Administration)
NRDS (New Radio Development Standards)
NRDS (New Radio Development Standards Systems)
NOD (Notice of Deficiency)
Nomenclature
Nomograph
Nuclear
Nuclide
NPDES (National Pollutant Discharge Elimination System)
NRC (Nuclear Regulatory Commission)
Nuclear

Observation
Off-gas
Oil
Open
Open Burning
Operation
Order
Organic
Organization
OSHA (Occupational Safety & Health Administration)
OU (Operable Unit)
Outfall
Outline

Pad
PA/SFA (Preliminary Assessment /RCRA Facility Assessment)
PCB (Polychlorinated Biphenyl)
Permit
Personal Notes
Personnel
Personnel Qualification
Phase
Pilot Study
Pipe
Pit
Plan
Plant
Plutonium
Pollution
Polonium
Potassium
Potential
Preservation
Prevention
Priority
Procedure
Program
Programmatic
Project
Project Leader
Propellant
Property
Proposal
Protection
Protocol
PRS (Potential Release Site)
Public
Pump
Purchase Request

Quality
QA (Quality Assurance)
QP (Quality Procedure)
Quarterly Report

Radioactive
Radiochemistry
Radionuclide
Radium
Rationale
RCRA (Resource, Conservation, and Recovery Act)
Reactor
Receipt
Acknowledgment
Recommendation
Reconnaissance
Records
Recovery
Recycle
Reduction
Reference
Regulation
Release
Remediation
Removal
Report
Request
Requirements
Research
Resin Bed
Resolution
Resource
Respirator
Response
Restoration
Restriction
Results
Review
Revision
RFI/RI (RCRA Facility Investigation/Remedial Investigation)
Risk
RPF (Records-Processing Facility)

Safety
Salamander
Salvage
Sample
Sampling Plan
Sanitary
Satellite
Schedule
Scope
Scrap
Scrap Detonation Site
Screening
Scrubber
Search
Security
Seep
Seminar
Semivolatile
Septic
Sewer
Shaft
Sheet
Shell
Shot
Silver
Site
Sludge
Soil
Solid
Solvent
SOP (Standard Operating Procedure)
SOW (Statement or Scope of Work)
Specific
Spill
Stack
Standard
Statistics
Steamline
Steel
Storage
Strontium
Structure
Study
Subcontractor
Subsurface
Summary
Sump
Support
Surface
Surveillance
Survey
Swipe
SWMU (Solid Waste Management Unit)
System

Table
Tank
Task
TCLP (Toxicity Characteristic Leaching Procedure)
TDD (Technical Document Description)
Technical
Technical Team
Technology
Telephone Record
Test Area
Testing
TLD (Thermoluminescent Dosimeter)
TOC (Table of Contents)
Townsite
Toxic
Tracking
Training
Transcription
Transfer
Transformer
Transport
Treatment
Trench
Trip Report
Tritium
TRU (Transuranic)
TSCA (Toxic Substances Control Act)
Tuballoy
Tuff

Underground
Uranium
Urine
USGS (United States Geological Survey)
UST (Underground Storage Tank)
Utility

Validation
Variance
VE (Value Engineering)
Ventilation
Verification
Video
Volatile
Volume

Warehouse
Waste
Water
WBS (Work Breakdown Structure)
Weapon
Well
Work
Working Group

Zinc

LASL STANDARD OPERATING PROCEDURE FOR BURIAL OF EXPLOSIVE-CONTAMINATED SCRAP AND EQUIPMENT CLASSIFIED AND UNCLASSIFIED

I. SCOPE

A. These are general operation procedures for the preparation and disposal, by burial, of explosive-contaminated, noncombustible scrap and equipment, classified and unclassified, which is no longer needed and not worthy of salvage.

B. Group ENG-4, by work order to the Zia Company, will be responsible for the collection from LASL sites, handling, and burial of this explosive-contaminated scrap and equipment. When a truck load accumulates at a site, Group SP-2 will be notified at phone 3-5271 (effective August 26, 7-5145) by the Group property representative. SP-2 will notify ENG-4 of the need to make the haul and will coordinate with the LASL Group property representative and ENG-4 on any property accountability matters.

II. LOCATION

Area C?

All LASL Explosives Areas, the HE contaminated burial pits, and the classified disposal hole on Mesita Del Buey. The HE contaminated burial pits will be fenced and access to them controlled by ENG-4 and/or SP-2.

?

III. LIMITS

A. Personnel

The number of personnel will be maintained at the minimum required to do the job safely, no less than two, but will never exceed five (except if the work is being done in an explosives building, then that building or room limit applies).

B. Explosives

The amount of explosives will be limited to contaminating amounts; the preparation of items for disposal by burial must include the removal of all substantial amounts of explosives from surfaces which can be engaged in a normal fashion, that is, without disassembly. It is important that exterior contamination be reduced to the level where there is no reasonable prospect of any significant accidental detonation or ignition. In the event that arduous and/or potentially hazardous disassembly may seem to be necessary to reach this state of decontamination, Group M-5 should be consulted to determine the best disposition of the situation.

Received by FN-RPF
JAN 07 1983

IV. EQUIPMENT

A. Clothing

All personnel will wear eye protection, leather palmed gloves, and safety shoes while handling explosive-contaminated objects.

B. Transportation and Handling

1. Motor vehicles used for transporting explosive-contaminated objects will have a smooth, crack-free bed, two fire extinguishers, approved spark arrestor, and means for securing the loads.

2. Only lifting devices which have rated lifting capacities greater than the weight of the object to be lifted, and are regularly checked, may be used for loading or unloading objects.

.. PREPARATION

A. The object to be disposed of by burying will be cleaned in accordance with the standards of paragraph III. B. above, by an approved decontamination method. The cleaning will be done by the Group which is disposing of the object.

B. When the object is clean, the Group Leader, or his designated representative, of the disposing Group will examine the object and authorize burial.

C. After the approval for burial has been granted, the Group property representative of the disposing Group will perform the necessary property control transactions with the Supply and Property Department.

VI. TRANSPORTATION

A. Smoking

1. The smoking regulations of the area in which the contaminated equipment is being loaded must be observed. In addition, smoking will not be permitted in or within 100 feet of the vehicle while it is being loaded or unloaded, except for casual passage during transit.

2. Matches and flame-producing devices are prohibited where smoking is prohibited.

B. Securing of Load

1. The loaded objects must be secured in a manner that will prevent them from rolling, pitching, sliding, striking one another, or falling from the vehicle.

VI. B.

2. Small objects may be packed in fiber drums for handling, transporting, and burial, provided that the weight per drum does not exceed 100 pounds.

C. Parking the Truck

When parking a vehicle loaded with or near explosive-contaminated objects, set hand brake and chock at least one rear wheel.

D. Fighting of Fires

In case a vehicle which is loaded with explosive-contaminated objects is involved in a fire, an attempt should be made to extinguish the fire so long as the fire does not reach the gasoline tank, the truck bed, or the load. If these become exposed to the fire, personnel should be cleared back to a distance of 200 feet, and approaching traffic stopped.

E. Refueling

The vehicle should not be refueled while it is loaded with explosive-contaminated objects.

VII. BURIAL

A. Classified Objects

1. Classified objects will be buried only in those holes designated for classified scrap.

2. They will be dropped in the hole in such a manner that personnel will not be over, or near the edge of, the hole during the drop. To the extent practical, the handling equipment involved will not ground over the hole.

3. Any earth or concrete cover placed over the hole will be placed in such a manner to prevent exposure of personnel over the hole.

4. Permanent records of all classified explosive-contaminated objects buried and their locations will be maintained by SP.

B. Unclassified Objects

1. Unclassified objects will be buried in open pits.

2. The objects will be unloaded and placed carefully in the pit in an orderly manner without driving over or unloading over previous deposits.

VII. B.

3. At required intervals, they will be covered with a minimum of six inches of earth by the use of a bulldozer or loader.

4. The bulldozer or loader will not strike the objects at any time. It will not be driven over the objects until at least a six-inch covering of earth exists.

5. Permanent records of all explosive-contaminated objects buried and their location will be maintained by SP.

C. No explosive-contaminated objects will be buried with radioactively contaminated objects unless prior approval is obtained from Group H-1.

VIII. CLEANUP

Vehicles and equipment which may become contaminated with explosives will be cleaned after each operation. Each equipment will be carefully cleaned by a representative of Zia Safety or LASL Safety Group before any maintenance is performed on them and before they are released for other use unless this problem is covered by other LASL SOP's.

APPROVED BY:

C. A. [illegible], ENG-5 — Date

R. V. [illegible], GMX-DO — Date

[illegible], HP-DO — Date

[illegible], Safety Director — Date