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33038





# **Site Database Task 21 TA-3 and 59**

**Los Alamos National Laboratory  
Los Alamos, New Mexico**

**Preliminary Draft**

**Prepared by  
Roy F. Weston, Inc.**

**For  
U.S. Department of Energy  
Albuquerque Operations Office**

**Environmental Restoration Program  
Technical Support Office  
Los Alamos National Laboratory**

**September 1989**





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September 27, 1989

University of California  
Los Alamos National Laboratory  
Attention: Dr. Kenneth Rea  
Environmental Restoration Program  
Technical Support Office  
P.O. Box 1663, MS K-485  
Los Alamos, NM 87545

RE: ER Program, LA  
Task 21, TA-3, -59  
Site Database  
W.R.N. 89-0049-LA-9  
Subcontract 9-XS8-0146R-1  
RFW WO #2744-22-33

Dear Dr. Rea:

Four copies of the preliminary draft site database for Task AL-LA-21, including a summary of Task 21 sites and site types have been forwarded under copy of this letter to Jay Wenzel. This hard copy deliverable incorporates changes to database field content and format recently reviewed and approved by ER TSO. The site database annotated outline is included with the deliverable so users may refer to annotations and examples for all database fields.

This deliverable also includes two digital copies of the site database on disk, and site maps, and all resources used to generate database information. This database task is complete. WESTON will close the task.

Please direct any questions regarding this deliverable to Rich Kilbury or me.

Sincerely,

ROY F. WESTON, INC.

Don Diego Gonzalez, Ph.D.  
ER Program, TSO Subcontractor  
Project Director

RK/jem

Enclosure

pc/encl: J. Wenzel  
pc: R. Gonzales  
ER TSO File

tk21

Site Database Summary Report  
Report Date 09/26/89

Task Number	Release Site Descriptor	Installation Identifier	Alternative Identifier	Site Type	Rec. Num.
AL-LA-021	TA-03-01-001-0015	TA-3-6-15		Inactive outfall and any associated soil contamination	1113
AL-LA-021	TA-03-01-002-0019	TA-3-6-19		Inactive outfall and any associated soil contamination	1114
AL-LA-021	TA-03-01-003-0030	TA-3-1-30a	SWMU #3-010	Inactive outfall and any associated soil contamination	1115
AL-LA-021	TA-03-01-004-0156	TA-3-6-156		Active outfall and any associated soil contamination	1116
AL-LA-021	TA-03-01-005-0016			Inactive outfall and any associated soil contamination	1117
AL-LA-021	TA-03-01-006-0030			Inactive outfall and any associated soil contamination	1118
AL-LA-021	TA-03-01-007-0041			Active outfall and any associated soil contamination	1119
AL-LA-021	TA-03-01-008-0102			Active outfall and any associated soil contamination	1120
AL-LA-021	TA-03-01-009-0208			Active outfall and any associated soil contamination	1121
AL-LA-021	TA-03-01-010-0000			Inactive outfall and any associated soil contamination	1122
AL-LA-021	TA-03-01-011-0041			Outfall and any associated soil contamination	1123
AL-LA-021	TA-03-01-012-0207			Active outfall and any associated soil contamination	1124

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Task Number	Release Site Descriptor	Installation Identifier	Alternative Identifier	Site Type	Rec. Num.
AL-LA-021	TA-03-02-001-0040	TA-3-17-40m	SWMU #3-001(b)	Floor drain, drainline, and any soil contamination	1125
AL-LA-021	TA-03-02-002-0689	TA-3-2-689	SWMU #3-017(b)	Septic tank and any associated soil contamination	1126
AL-LA-021	TA-03-02-003-1484	TA-3-2-1484	SWMU #3-016(a)	Septic tank and any associated soil contamination	1127
AL-LA-021	TA-03-02-004-1667	TA-3-2-1667	SWMU #3-016(b)	Septic tank and any associated soil contamination	1128
AL-LA-021	TA-03-02-005-0016			Sanitary sump, drainline, and any soil contamination	1129
AL-LA-021	TA-03-02-006-0443			Septic pit and any associated soil contamination	1130
AL-LA-021	TA-03-02-007-1617			Septic pit and any associated soil contamination	1131
AL-LA-021	TA-03-03-001-0040	TA-3-5-40	SWMU #3-033	UST, drainline, sump, and any soil contamination	1132
AL-LA-021	TA-03-03-002-0148	TA-3-4-148	SWMU #3-023	Manhole, oil sump and any associated soil contamination	1133
AL-LA-021	TA-03-03-003-0040			Floor drains, drainlines, and any soil contamination	1134
AL-LA-021	TA-03-03-004-0065			Sink drain, drainline, and any soil contamination	1135
AL-LA-021	TA-03-03-005-0316			Floor drain, drainline, and any soil contamination	1136
AL-LA-021	TA-03-03-006-1502			Drainline and any associated soil contamination	1137
AL-LA-021	TA-03-03-007-0016			Floor drains, drainlines, and any soil contamination	1138

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Task Number	Release Site Descriptor	Installation Identifier	Alternative Identifier	Site Type	Rec. Num.
AL-LA-021	TA-03-04-001-0287	TA-3-5-287	SWMU #3-020	Absorption well and any associated soil contamination	1139
AL-LA-021	TA-03-05-001-0550	TA-3-4-550	SWMU #3-022	Active retaining sump	1140
AL-LA-021	TA-03-06-001-0101	TA-3-1-101	SWMU #3-011	Remnant soil contamination around washing platform	1141
AL-LA-021	TA-03-06-002-0040			Soil contamination from corroded pipes	1142
AL-LA-021	TA-03-06-003-0105			Floor drain and any associated soil contamination	1143
AL-LA-021	TA-03-06-004-0214			General surface contamination from leaky compressor	1144
AL-LA-021	TA-03-06-005-0287			Storm drain, and any spill or soil contamination	1145
AL-LA-021	TA-03-06-006-0316			General surface soil contamination	1146
AL-LA-021	TA-03-08-001-0040	TA-3-17-40b	SWMU #3-001(b)	Satellite storage area	1147
AL-LA-021	TA-03-08-002-0040	TA-3-17-40c	S# 3-001(b)	Satellite storage area	1148
AL-LA-021	TA-03-08-003-0040	TA-3-17-40d	SWMU# 3-001(b)	Satellite storage area	1149
AL-LA-021	TA-03-08-004-0040	TA-3-17-40f	SWMU #3-001(b)	Satellite storage area	1150
AL-LA-021	TA-03-08-005-0040	TA-3-17-40g	SWMU #3-001(b)	Satellite storage area	1151
AL-LA-021	TA-03-08-006-0040	TA-3-17-40h	SWMU #3-001(b)	Satellite storage area	1152
AL-LA-021	TA-03-08-007-0040	TA-3-17-40i	SWMU #3-001(b)	Satellite storage area	1153
AL-LA-021	TA-03-08-008-0040	TA-3-17-40j	SWMU #3-001(b)	Satellite storage area	1154
AL-LA-021	TA-03-08-009-0040	TA-3-17-40k	SWMU #3-001(b)	Satellite storage area	1155
AL-LA-021	TA-03-08-010-0040	TA-3-17-40L	SWMU #3-001(b)	Satellite storage area	1156
AL-LA-021	TA-03-08-011-0040	TA-3-17-40N	SWMU #3-001(b)	Satellite storage area	1157

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Task Number	Release Site Descriptor	Installation Identifier	Alternative Identifier	Site Type	Rec. Num.
AL-LA-021	TA-03-08-012-0031	TA-3-17-31		Warehouse and any associated soil contamination	1158
AL-LA-021	TA-03-10-001-0041	TA-3-17-41	SWMU #3-001(o)	Satellite storage area	1159
AL-LA-021	TA-03-10-002-0041	TA-3-10-41	SWMU #3-009(b)	Abandoned debris area	1160
AL-LA-021	TA-03-10-003-0142	TA-3-17-142		Abandoned storage area and any soil contamination	1161
AL-LA-021	TA-03-10-004-0218	TA-3-17-218	SWMU #3-003(a)	Storage area, storm drain, and any soil contamination	1162
AL-LA-021	TA-03-10-005-0253	TA-3-17-253	SWMU #3-003(b)	Remnant soil contamination from past storage of PCB units	1163
AL-LA-021	TA-03-10-006-0282	TA-3-17-282a	SWMU #3-003(c) & 3-001(q)	Remnant soil contamination from past storage of PCB units	1164
AL-LA-021	TA-03-10-007-0282	TA-3-17-282b	SWMU #3-003(c)	Remnant soil contamination from past storage	1165
AL-LA-021	TA-03-10-008-0287	TA-3-17-287	SWMU #3-001(u)	Remnant soil contamination from past storage	1166
AL-LA-021	TA-03-10-009-0316	TA-3-17-316	SWMU #3-001(n)	Remnant soil contamination from past storage	1167
AL-LA-021	TA-03-10-010-0000			Abandoned storage area	1168
AL-LA-021	TA-03-10-011-0016			Abandoned drum storage area and any surface contamination	1169
AL-LA-021	TA-03-10-012-0040			Abandoned drum storage area and any surface contamination	1170
AL-LA-021	TA-03-10-013-0040			Abandoned storage area and any soil contamination	1171
AL-LA-021	TA-03-10-014-0040			Abandoned storage area and any surface contamination	1172
AL-LA-021	TA-03-10-015-0041			Abandoned debris area	1173

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Task Number	Release Site Descriptor	Installation Identifier	Alternative Identifier	Site Type	Rec. Num.
AL-LA-021	TA-03-11-001-0016	TA-3-17-16	SWMU #3-001(m)	Active storage area and any surface contamination	1174
AL-LA-021	TA-03-11-002-0030	TA-3-17-30	SWMU #3-001(e)	Active drum storage area, and sump	1175
AL-LA-021	TA-03-11-003-0030	TA-3-1-30b	SWMU #3-040	Active storage area	1176
AL-LA-021	TA-03-11-004-0040	TA-3-17-40a	SWMU #3-001(b)	Active storage area and any surface contamination	1177
AL-LA-021	TA-03-11-005-0040	TA-3-17-40e	SWMU #3-001(b)	Active satellite storage area	1178
AL-LA-021	TA-03-11-006-0065	TA-3-17-65		Active sealed source storage vault	1179
AL-LA-021	TA-03-11-007-0105	TA-3-17-105,28 7	SWMU #3-001(u)	Active storage areas and any surface contamination	1180
AL-LA-021	TA-03-11-008-0374	TA-3-17-374		Drum storage area and any associated contamination	1181
AL-LA-021	TA-03-11-009-0477	TA-3-17-477		Active storage shed	1182
AL-LA-021	TA-03-11-010-1228	TA-3-17-1228		Active storage shed	1183
AL-LA-021	TA-03-11-011-1229	TA-3-17-1229		Active storage shed	1184
AL-LA-021	TA-03-11-012-0316			Active storage area and any soil contamination	1185
AL-LA-021	TA-03-11-013-0322	TA-3-17-322		Drum storage areas and any associated surface contamination	1186
AL-LA-021	TA-03-11-014-0473	TA-3-17-473	SWMU #3-001(i)	Storage area and any associated soil contamination	1187
AL-LA-021	TA-03-11-015-0316			Drum storage area and any soil contamination	1188
AL-LA-021	TA-03-12-001-0000	TA-3-10-1	SWMU #3-009(g)	Landfill	1189
AL-LA-021	TA-03-12-002-0000	TA-3-10-40	SWMU #3-009(d)	Abandoned landfill	1190
AL-LA-021	TA-03-12-003-0016	TA-3-10-16	SWMU #3-009(f)	Abandoned landfill	1191

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Task Number	Release Site Descriptor	Installation Identifier	Alternative Identifier	Site Type	Rec. Num.
AL-LA-021	TA-03-12-004-0016	TA-3-10-142		Abandoned landfill	1192
AL-LA-021	TA-03-12-005-0041	TA-3-10-5		Abandoned landfill	1193
AL-LA-021	TA-03-13-001-0081	TA-3-19-81		Active transformer	1194
AL-LA-021	TA-03-13-002-0122	TA-3-19-122		Active transformer	1195
AL-LA-021	TA-03-13-003-0190	TA-3-19-190		Active transformer	1196
AL-LA-021	TA-03-13-004-0229	TA-3-19-229		Active transformer	1197
AL-LA-021	TA-03-13-005-0269	TA-3-19-269		Active transformer	1198
AL-LA-021	TA-03-13-006-0290	TA-3-19-290		Active transformers	1199
AL-LA-021	TA-03-13-007-0298	TA-3-19-298		Active pole-mounted transformer	1200
AL-LA-021	TA-03-13-008-0303	TA-3-19-303		Active pole-mounted transformer	1201
AL-LA-021	TA-03-13-009-0346	TA-3-19-346		Active transformer	1202
AL-LA-021	TA-03-13-010-1187	TA-3-19-1187		Active pole-mounted transformer	1203
AL-LA-021	TA-03-13-011-1202	TA-3-19-1202		Active transformer	1204
AL-LA-021	TA-03-13-012-1270	TA-3-19-1270		Active transformer	1205
AL-LA-021	TA-03-13-013-1479	TA-3-19-1479		Active transformer	1206
AL-LA-021	TA-03-13-014-1480	TA-3-19-1480		Active transformer	1207
AL-LA-021	TA-03-13-015-1611	TA-3-19-1611		Active transformer	1208
AL-LA-021	TA-03-13-016-1626	TA-3-19-1626		Active transformer substation	1209
AL-LA-021	TA-03-13-017-0040			Active transformers	1210
AL-LA-021	TA-03-13-018-0016			Any remnant contamination from removed transformers	1211
AL-LA-021	TA-03-13-019-0000			Transformers and any associated soil contamination	1212

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Task Number	Release Site Descriptor	Installation Identifier	Alternative Identifier	Site Type	Rec. Num.
AL-LA-021	TA-03-14-001-0040	TA-3-1-40		Possible contamination from stack releases	1213
AL-LA-021	TA-03-14-002-0016			Possible contamination from stack releases	1214
AL-LA-021	TA-03-19-001-0000	TA-3-3-20		Underground storage tank and any soil contamination	1215
AL-LA-021	TA-03-19-002-0105	TA-3-3-107, 108 and 109		Underground storage tank and any soil contamination	1216
AL-LA-021	TA-03-19-003-0191	TA-3-3-191		Underground storage tank and any soil contamination	1217
AL-LA-021	TA-03-19-004-0261	TA-3-20-261	SWMU #3-046	Underground grease tank and any soil contamination	1218
AL-LA-021	TA-03-19-005-0668	TA-3-20-668	SWMU #3-046	Underground grease tank and any soil contamination	1219
AL-LA-021	TA-03-20-001-0700	TA-3-1-700	SWMU #3-038(a)	Remnant contamination from removed building	1220
AL-LA-021	TA-03-20-002-0738	TA-3-5-738	SWMU #3-038(b)	Remnant contamination from removed acid neutralizing tank	1221
AL-LA-021	TA-03-20-003-0019			Remnant contamination from removed cooling tower	1222
AL-LA-021	TA-03-20-004-0015	TA-3-2-15	SWMU #3-019	Remnant soil contamination from removed septic tank	1223
AL-LA-021	TA-03-20-005-0045	TA-3-2-45	SWMU #3-018	Remnant soil contamination from removed cesspool	1224
AL-LA-021	TA-03-20-006-0218	TA-3-4-1	SWMU #3-042	Remnant soil contamination from removed sump	1225
AL-LA-021	TA-03-20-007-0718	TA-3-5-718	SWMU #3-043	Remnant contamination from removed neutralization tank	1226
AL-LA-021	TA-03-20-008-0177	TA-3-17-177		Remnant contamination from removed storage trailer	1227

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Task Number	Release Site Descriptor	Installation Identifier	Alternative Identifier	Site Type	Rec. Num.
AL-LA-021	TA-03-20-009-0082	TA-3-19-82		Remnant contamination from removed transformer substation	1228
AL-LA-021	TA-03-20-010-0256	TA-3-19-256		Remnant contamination from removed transformer	1229
AL-LA-021	TA-03-20-011-0296	TA-3-19-296		Remnant contamination from removed pole-mounted transformer	1230
AL-LA-021	TA-03-20-012-0093	TA-3-3-93		Remnant contamination from removed underground storage tank	1231
AL-LA-021	TA-59-01-013-0001	TA-59-5-10		Active outfall and any associated soil contamination	1232
AL-LA-021	TA-59-03-008-0001			Active aboveground sump	1233
AL-LA-021	TA-59-03-009-0001	TA-59-7-1	SWMU #59-003	Industrial waste sumps	1234
AL-LA-021	TA-59-06-007-0001			Soil contamination from leaky compressor	1235
AL-LA-021	TA-59-06-008-0001			Contamination from stack releases	1236
AL-LA-021	TA-59-08-013-0010	TA-59-3-10		Cooling tower	1237
AL-LA-021	TA-59-10-016-0001	TA-59-4-1	SWMU #59-002	Remnant contamination from past storage areas	1238
AL-LA-021	TA-59-13-020-0001			Active transformer	1239
AL-LA-021	TA-59-13-021-0016	TA-59-6-16		Active transformer	1240
AL-LA-021	TA-59-13-022-0039	TA-59-6-39		Active transformer	1241
AL-LA-021	TA-59-13-023-0040	TA-59-6-40		Active transformer	1242
AL-LA-021	TA-59-13-024-0041	TA-59-6-41		Active transformer	1243
AL-LA-021	TA-59-13-025-0046	TA-59-6-46		Active transformer	1244
AL-LA-021	TA-59-13-026-0051	TA-59-6-51		Active pole-mounted transformer	1245

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Task Number	Release Site Descriptor	Installation Identifier	Alternative Identifier	Site Type	Rec. Num.
AL-LA-021	TA-59-13-027-0052	TA-59-6-52		Active pole-mounted transformer	1246
AL-LA-021	TA-59-13-028-0063	TA-59-6-63		Active pole-mounted transformer	1247
AL-LA-021	TA-59-13-029-0064	TA-59-6-64		Active pole-mounted transformer	1248
AL-LA-021	TA-59-19-006-0006	TA-59-2-6		Underground storage tank and any soil contamination	1249
AL-LA-021	TA-59-20-013-0004	TA-59-1-4	SWMU #59-001	Septic tank, distribution box, and leach field	1250
AL-LA-021	TA-59-20-014-0001			Aboveground containment tank	1251

ER PROGRAM LANL SITE DATABASE  
ANNOTATED FIELDS

underline denotes field title

() = field size

[] = example or annotation

- 1) Project Name: [ER Program] (40c)
- 2) Installation: [Los Alamos National Laboratory] (40c)
- 3) Site Name: [This field identifies a common name the site may be referred to, such as "Area C".] (40c)
- 4) Task Number: [AL-LA-10-1] (40c)
- 5) Phase I Heading: [TA15-1-CA-I-HW/RW(Firing Sites). The Phase I Heading will include the brief description of the site type that is found in the Phase I Report.] (60c)
- 6) Release Site Descriptor: [The ER Program Release Site Descriptor is entered in this field in the form: TA-AA-BB-CCC-DDDD. AA is the LANL Technical Area, BB is the standard LANL site type number, CCC is a number in consecutive site order, and DDDD is an associated LANL structure number. For example, TA-21-01-15-0054 represents the fifteenth outfall (BB = 01 for outfalls) at Technical Area 21 that is near or most logically associated with LANL structure number 54. The standard LANL site type list (BB subfield) is provided in hard copy.] (60c)
- 7) Installation Identifier: [This field designates a previously assigned RIP Site Descriptor. The format for this field is TA-21-2-3a. The TA-XX prefix is included. Brackets are omitted from this field so it can be searched and sorted.] (60c)
- 8) Alternative Identifier: [This field may identify a SWMU number, RFA number, or other identifier useful to the installation. For LANL release site databases, this field will identify a SWMU number if one exists. The format is "SWMU# XXXX". Users must obtain a current SWMU cross-reference list to cross reference sites that have been listed as SWMUs.] (25c)
- 9) Site Description: [This field contains a description of the site that will give the user a clear picture of what the site consists of and where it is located. For example: "This is the industrial waste outfall south of building 3 that drains from manhole 54 south to Los Alamos Canyon." Without question, this field must sufficiently address the nature of the site and its general location. Pertinent references contained in the Information Resources Field (see Field 23) should be cited in field 9 to refer the user to more detailed site information.] (254c)
- 10) Site Location: [This field offers a Y/N choice for designating whether the location is Surveyed, and also offers a 60-character field for the coordinate system name, units, and reference number (see field 23) for a map that illustrates site location (format: coordinate system/units/ref number such as LANL coordinates/feet/R XXA). North, south, east, and west coordinates, and elevation in feet above mean sea level are specified. If the site location has not been surveyed, the coordinates given in this field will consist of estimated coordinates taken from referenced engineering drawings or other mapping resources. Surveyed coordinates will

show accuracy to the nearest foot, tenth of a foot, or hundredth of a foot. Unsurveyed locations will be estimates to the nearest 100 or 50 feet, such as 450+00.]

- 11) ER Program Phase: [This field identifies current site status and offers a Y/N choice for NFA (no further action), RFI (RCRA facility investigation), Interim Status, Detection Monitoring, Closure, PA/SI, RI Scoping, Reconnaissance Sampling, RI/FS, RD/RA, and Other. Currently most LANL sites are categorized in the RI Scoping or reconnaissance sampling phases. The 25-character "other" field allows the user to specify a program phase not listed.]
- 12) Program Phase Rationale: [This field explains why the site has been selected for a particular program phase in field number 11 above, and provides a reference to an information resource that will support the phase rationale. For example, if NFA is the selected program phase, this field should justify NFA by stating the reason why: "This outfall was sampled in November of 1988 and reported to be free of contamination, therefore no further action is warranted under the ER Program. See the Raw Data Report Issued by LANL dated February, 1989 (R 04R)." The recon sampling phase rationale may be given as "Phase I results (R 05R) indicate that the site should be investigated further as part of RI scoping."] (254c)
- 13) Current Operational Status: [This field offers a Y/N choice for "operational" and "Other". The purpose of this field is to indicate whether or not the site is currently operational and actively being used by LANL. LANL operating groups that currently use and occupy the site are listed in the 60-character "current owner/operating group" field. The 60-character "other" field will also allow the user to explain what portion or portions of a site are active or inactive if the entire site is not currently operational.]
- 14) Site Type: [This field offers an open character field to select the site type from the LANL standard site type list. The site type entered in field 14 is taken from the list of site type examples listed under each "BB" site type category.] (60c)
- 15) Potential Pathways: [This field offers a Y/N choice for soil-to-surface water, soil-to-biota, soil-to-groundwater, soil-to-air, surface water-to-biota, groundwater-to-biota, soil-to-vadose zone, vadose zone-to-groundwater, and also offers a 60-character "other" field. This field requires reasonable technical judgement with regard to expected or potential pathways that must be based on reported confirmation of contaminants at the site. If a potential pathway is selected, at least one contaminant in field 19 must be listed as field verified.]
- 16) Generic Waste Type: [This field offers a choice for hazardous (H), radioactive (R), mixed (M), and a 60-character "other" waste type. The purpose of this field is to classify site contaminants within a generic category, not within any strict regulatory definition. The selection of hazardous, radioactive, or mixed must be based on analytical results reported as part of a past LANL sampling program or ER Program sampling effort. If haz, rad, or mixed is selected in field 16, at least one contaminant listed in field 19 must be shown as field-verified.]
- 17) EPA Waste Characteristics: [This field offers a Y/N choice for the following EPA waste characteristics: toxic, corrosive, radioactive, persistent, soluble, infectious, flammable, ignitable, highly volatile, explosive, reactive, incompatible, "not applicable", or "other" (60c). Selected characteristics must be associated with confirmed contamination demonstrated by results from LANL or ER Program

sampling events. If an EPA waste characteristic is selected, at least one contaminant in field 19 must be listed as field verified.

Listed below are characteristics of some constituents generally common to LANL sites.

HE: explosive , reactive  
Pu: persistent, toxic, rad  
U: persistent, toxic, rad, soluble  
H-3: soluble, rad  
Cs: rad, persistent, soluble  
I-129: rad, persistent, soluble  
Co-60: rad  
volatiles: toxic, flammable, ignitable  
PCBs: toxic, persistent  
Pesticides: toxic, soluble  
oil/grease: toxic, flammable, ignitable  
semivolatiles: toxic, soluble  
heavy metals: toxic]

- 18) **EPA Waste Type:** [This field offers a Y/N choice for the following EPA waste types: sludge, oily waste, solvents, pesticides, other organic chemicals, inorganic chemicals, acids, bases, heavy metals, "not applicable", or "other" (60c). Selected waste types must be associated with confirmed contamination demonstrated by results from LANL or ER Program sampling events. If an EPA waste type is selected, at least one contaminant in field 19 must be listed as field verified.]
- 19) **Specific Contaminants of Concern:** [The user will select contaminants from the hard copy list of contaminants and enter an index number for selected contaminants. The database input screen will indicate whether each contaminant has a designated CAS number or local index number. The user will classify each data set as field-verified (V), Confirmed (C), or Unconfirmed (U). "Field verified" contaminants must be listed with a reference number that represents a data resource that reports the presence of that contaminant. "Confirmed" contaminants must be listed with a reference number associated with a report, memo, or other information resource that states or indicates the presence of the contaminant. "Unconfirmed" contaminants must be listed with a reference number associated with a report, memo, interview notes or other information resource that states or indicates the presence of the contaminant, based on the types of processes that have been conducted at the site, or other indirect evidence of contamination.]
- 20) **Waste Quantities:** [This field offers a Y/N choice for designating whether quantities are field measured for waste area, waste depth, and waste volume. The user will specify units for each quantity and provide the reference number (see field 23) that references a information resource containing measured or estimated waste quantities. Estimated waste quantities will be calculated from the LANL standard site quantity criteria.]
- 21) **Major Chronological Events:** [This field provides a screen for listing major chronological events and associated dates. These events may include site construction, sampling events, releases, decontamination, decommissioning, closure, ER Program site visits, or others. Each chronological event must be

listed with a reference number (see field 23) to associate the event with a report, memo, data set, or other information resource.] (36 lines of 120c)

- 22) **Comments:** [This field provides any other important knowledge about the status of the site that is not presented in fields 1 through 21 and 23. This should be a summary of one or two sentences that provides an overall picture of current site knowledge and conditions. An example of this summary is "Firing site B was used in the 1950's, decontaminated and decommissioned in 1967, and regraded. Although contamination may be found, it may originate from adjacent firing sites that have a hazard radius encompassing firing site B (R 12S)." As a minimum, this field must reflect all results of Phase I, RI scoping, or other ER Program activities at the site. Reference numbers should be given to direct the user to a complete reference in field 23 so the user can examine supporting documents.] (36 lines of 150c)
- 23) **Information Resources:** [Field 23 stores complete citations for all site information resources according to the following code: "R XXA", where "R" designates a reference, "XX" designates an unprioritized number assigned by the user to identify each reference, and "A" designates a lower case letter that represents the type of information resource according to the following table:

<u>Information Resource</u>	<u>"A"</u>
Engineering Drawings	e
Photographs	p
Interviews	i
Memos	m
Reports	r
Site Visits	s
Analytical Data	a
Other	o

Field 23 may hold up to a total of 100 information resources. Each information resource field will report the information in the following format:

**Reference Number:** R XXA, The reference number explained above is assigned by the user for each entered information resource. It may be used in fields 1 through 22 to refer to a particular information resource without requiring a complete citation. (5c)

**Reference Type:** This area identifies the reference type on hard copy database. It is reported automatically by reading and sorting the "A" character in the reference number above.

**Title:** A title or description of the information resource that will allow users to refer to the resource and find it at its storage location with reasonable effort. An example of a sufficient description is "ER Program site reconnaissance visit field notes for TA-15." (70c).

**Author:** A name or names of a person, institution, or agency that issued the information resource. (20c)

**Date of Issue:** The date of issue will be entered in the month/day/year format (mm/dd/yy); ranges of dates may be entered.] (17c)

**Location:** This subfield identifies the location where each information resource is physically stored, so that users may obtain and examine the resources if required. An example of a sufficient reference is "Field notebook 433, ER Program Document Control Files for TA-15, Roy F. Weston, Albuquerque, NM." (90c)

LANL STANDARD SITE TYPES - DATABASE FIELD 6, BB SUBFIELD

Revised 6/29/89

**BB STANDARD LANL SITE TYPE**

- 01 Outfalls: permitted, inactive, and associated soil contamination.
- 02 Septic systems: drainlines, ditches, tanks, manholes, overflow areas, leach fields, and associated soil contamination.
- 03 Industrial waste systems: drainlines, ditches, tanks, manholes, overflow areas, leach fields, and associated soil contamination.
- 04 Below-ground Liquid Impoundments: seepage pits, adsorption beds, filter beds, drying beds, and sludge beds.
- 05 Above-ground Liquid Impoundments: lagoons, liquid waste ponds, mud pits, and surface liquid storage facilities.
- 06 General Surface Soil Contamination: soil piles, berms, leak and spill contamination, stack releases, surface channel sediments, and storm drainage systems.
- 07 Above-ground Storage Facilities: tanks, silos, flasks, and liquid and solid material storage containers.
- 08 Structures: buildings, laboratories, offices, warehouses, reactors, treatment plants, and towers.
- 09 HE Storage Facilities: magazines, hutments
- 10 Abandoned Storage Areas: equipment, debris, containers, canyon-wall disposal areas.
- 11 Operational Storage Areas: equipment, debris, containers, canyon-wall disposal.
- 12 Subsurface Disposal Facilities: burial pits, material disposal areas, landfills, disposal shafts, dry wells, and holes.
- 13 PCB Storage Facilities: transformers, capacitors, or PCB storage areas or impoundments.
- 14 Personnel Safety Facilities or Equipment: gloveboxes, plenums, hoods, and general filter system apparatus.
- 15 Utility Systems: pipelines, ditches, manholes, and general utility system structures for water, gas, phone, or electric utilities.
- 16 HE Dispersion Areas or Facilities: firing sites, points, chambers, bunkers, personnel shelters, and associated surface or subsurface soil contamination.
- 17 HE Flash Areas: burn pits, pads, and incinerators.
- 18 HE Wash Areas: wash pits, wash pads, and wash areas.
- 19 Below-Ground Storage Facilities: underground petroleum or industrial waste storage tanks or vaults.
- 20 General Subsurface Soil Contamination: remnant contamination from past decontamination and decommissioning activities or structure removal.

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-6-CA/O-A/I-HW/RW (OUTFALLS)
6. Release Site Descriptor : TA-03-01-001-0015
7. Installation Identifier : TA-3-6-15
8. Alternative Identifier : Not identified
9. Site Description :

Before septic tank 3-15 was tied into the industrial waste line, the tank may have discharged into Two Mile Canyon to the south (R01r). The outfall pipe was not found in the canyon during the ER Program site recon visit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 20+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :

Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational, Removed or never existed  
Current Owner/Operating Group : P-9
14. Site Type : Inactive outfall and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
SILVER, TOTAL	U	CAS	7440-22-4	R01r
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01r
TRITIUM	U	ERP	H-3	R01r
RADIONUCLIDES	U	ERP	RAD	R01r

21. Chronological Events: Not identified

22. Comments:

Phase I description (R01r): "... Before connecting to the industrial waste line, the tank may have discharged to the canyon on the south."

There was no evidence of an outfall noted in the canyon south of the former location of the tank during the ER Program site recon visit; however, since the outfall was abandoned sometime ago, the outfall area may not be distinguishable. This outfall may have received wastes similar to those generated during almost any operation at the building.

In a memo from 10/19/54, it was noted that the darkroom was being used as a laboratory. Also, there was large-scale cleaning operations that were using TCE. Finally, there was an accelerator in this building, so activation products may be possible (R01m).

Industrial hygiene surveys conducted in this building reveals the use of TCE, MEK, acetone, "thinner 1500, tygon thinner TP91," acid dip, kerosene, rust remover, carbon tetrachloride, tritium, mercury, toluene, ethanol, "Dupont RC-80C curing agent, epoxy resin 46950," methyl chloroform, amyl acetate, "SR-82 silicone resin," Freon TF, benzene, 2,2-dimethyl butane, boron trifluoride, ethylene chloride, chloroform, "EpoxyLite Resin No. 69, Nuclear Enterprise 561 catalyst and reflector point resin, spray adhesive 77, Eccobond epoxy," and radioactive materials. Use of a neutron beam is also mentioned as being in the sub-basement (R02m, R04m, and R05m). Evidentially they also had soldering benches in this building (R02m).

The Van de Graff is listed as having tritium and C-14 as contaminants (R04r). SM-16 also has tritium and "IA" (probably stands for induced activity) listed as radioactive contaminants (R02r). Tritium and the Van de Graff are responsible for SM-16 rating a moderate hazard category ranking (R03r).

Group P-9 is reported as infrequently generating solid radioactive waste consisting of radioactive foils or lab equipment contaminated with tritium (R06r).

## 23. Information Resources

## Memos

- Reference R01m  
Title : Industrial Hygiene Survey of P-Division  
Author : H. S. Jordan  
Date : 10/19/54  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R02m  
Title : Industrial Hygiene Survey of P-9 Facilities  
Author : Gilbert H. Ferran  
Date : 09/23/64  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R03m  
Title : Industrial Hygiene Survey Group H-5 Plan Approval  
Author : J. D. DeField  
Date : 04/27/64  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R04m  
Title : Industrial Hygiene Survey, SM-16  
Author : G. H. Ferran  
Date : 01/15/68  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R05m  
Title : Preliminary Survey of P-9 Facilities  
Author : Fredrick M. Toca  
Date : 01/09/69  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R06m  
Title : TA-59 notes  
Author : Jay Wenzel  
Date : 01/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

## Reports

- Reference R01r  
Title : CEARP Phase I  
Author : DOE  
Date : 10/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R04r  
Title : CEARP Program - Draft Report  
Author : Joseph F. B. Szoo  
Date : 03/29/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R02r  
Title : Partial copy of unknown report on LANL radioactive contaminants  
Author : Unknown  
Date : Unknown  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R03r  
Title : Safety Analysis and Review System for DOE Operations  
Author : G.L. Voelz  
Date : 07/21/79  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R05r  
Title : H-Division Forecast, FY 1966 and FY 1967  
Author : T. L. Shipman  
Date : 05/11/65  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R06r  
Title : Solid Radioactive Waste Disposal / Storage  
Author : D. Enders  
Date : 02/01/73  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

## Site Visits

- Reference R01s  
Title : ER Program site reconnaissance visit  
Author : Roy F. Weston  
Date : 05/22/89-07/13/89  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Analytical Data

• Reference R01a

Title : Sampling Data Sheet #0-166, Analysis Request Sheets 4409 and 5010

Author : Ortiz and Seitz

Date : 03/21/85

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-6-CA/O-A/I-HW/RW (OUTFALLS)
6. Release Site Descriptor : TA-03-01-002-0019
7. Installation Identifier : TA-3-6-19
8. Alternative Identifier : Not identified
9. Site Description :

Outfall from cooling tower, 3-19, to Two Mile Canyon to the west. Cooling tower was removed in 1966. No stains were noted in the outfall area during the ER Program site recon visit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : ENG-6
14. Site Type : Inactive outfall and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
CHROMIUM, TOTAL	U	CAS	7440-47-3	R01s
CHROMIUM VI	U	ERP	ICR6	R01s

21. Chronological Events: Not identified

22. Comments:

Outfall from cooling tower 3-19 to Two Mile Canyon to the west. The tower was removed in 1966, and replaced by a new unit located on the roof of SM-16 just east of SM-208. After the tower was removed, the outfall pipe that came from it was rerouted and connected to the chilled water system in SM-16. From that time on, the outfall area that the cooling tower originally discharged to, has been used to discharge liquids from flushing of the chilled water system in the building.

Since chromium was used as the water treatment chemical for cooling tower 3-19, it is expected that the blowdown from the cooling tower contained chromium VI. The quantity discharged with blowdown is not known, but it is reasonable to assume that the length of time that the tower was used at SM-16 (approx. 16 years) could account for a significant quantity of chromium being released to the outfall area and into the canyon below.

No potential environmental contamination is associated with the flushing of the chilled water system in SM-16.

Back when the cooling tower was hooked up to the outfall, the floor drains in SM-208 were also connected to the outfall in the canyon. The drains received blowdown from machinery and any spills which might have occurred in the building.

The following is a list of chemicals that were used in colling towers (R01m): citric acid, malic acid, acetic acid, ethylenediaminetetraacetic acid (EDTA), N-hydroxyethylethylenediaminetriacetic acid (HEEDTA), nitrilotriacetic acid (NTA), diethylenetriamine-t-pentaacetic acid (DTPA), nitrilotri(methylene phosphonic) acid, 1-hydroxyethylidene-1,1-diphosphonic acid, poylacrylates, sodium pentachlorophenate, sodium salt of a slow chlorine release material, alkyl dimethyl benzl ammonium chloride, amine based material, and food grade phosphoric acid.

### 23. Information Resources

#### Memos

- Reference R01m

Title : Effluent From Plant Cooling Towers

Author : E. L. Miller

Date : 07/30/71

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : General warehouse, SM-30
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-1-CA-A/I-HW/RW (FACILITIES)
6. Release Site Descriptor : TA-03-01-003-0030
7. Installation Identifier : TA-3-1-30a
8. Alternative Identifier : SWMU #3-010
9. Site Description :

Contam. vacuum pump oil from the vacuum pump repair shop in SM-30 was disposed of over a bank west of the building in the early years. An outfall pipe was later installed that discharged to the same area. The pipe is still in place, but inactive (R01r).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 70+00  
East coordinate : 0+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : MEC-6
14. Site Type : Inactive outfall and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
WASTE OIL	U	ERP	WOIL	R01s
MERCURY, TOTAL	U	CAS	7439-97-6	R02r
BERYLLIUM, TOTAL	U	CAS	7440-41-7	R02r
TRITIUM	U	ERP	H-3	R02r
TRANSURANIC WASTE	U	ERP	TRUW	R02r
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s

21. Chronological Events: Not identified

## 22. Comments:

Phase I description: " A vacuum pump repair shop is located in TA-3-30. In the 1950's it was the practice to take contaminated vacuum pump oil and dispose of it over a bank at the back of the building. Later, a pipe draining to this same location was installed. It has been estimated that 150-200 lb of mercury were disposed of in the environment with the oil. Other contaminants could include beryllium, tritium, and transuranics. The area on the west end of the building was paved about two years ago. What happened to the drain line is not known."

During the ER Program site recon visit, the outfall pipe from the vacuum pump repair shop was noted to still be present on the west side of SM-30. Liquid was observed to be present in the outfall area, but it is not expected to have come from the vacuum pump repair shop. The drainage channel that the pipe discharges to trends north-south along the west side of the building and is capable of carrying liquids discharged in it for quite a distance to the south.

The outfall pipe was used to discharge liquids from the vacuum pump repair shop in the drainage channel to the west of SM-30 until about the mid 1970's when the practice was stopped. The new practice involved piping the wastes from the repair shop to a 1,000 gallon storage tank on the west side of the building. The waste oil in the tank, when full, was pumped into 55 gallon drums lined with plastic and containing vermiculite. The drums were then taken to TA-54 for disposal.

This practice continued until about 1988 when the 1,000 gallon tank was removed and waste oils were drained directly into 55 gallon drums from the repair shop. The drums are presently located over a concrete sump on the west side of the building. The area is roped off and labeled radioactive. No spills were noted in the sump or on the asphalt around the sump during the ER Program site recon visit. The drums are monitored regularly and removed to TA-54 for disposal when full.

One memo states, "The [abandoned waste site] at SM-30 appears to have been used from the middle 50's until the middle 60's as a dump for waste vacuum pump oil. It probably has not been used for the past ten years. Early usage was the physical dumping of oil by hand at the fence line. Later, a pipe was installed from the building to the fence line to expedite the disposal. The building exit pipe still remains but the underground pipe section may have been partially destroyed when the west end area was repaved about a year ago [1984]. Apparently the oil/mercury content of the soil was high enough prior to its abandonment to seep to the surface. Vegetation is beginning to cover the area now; however, water runoff has caused some erosion to occur (R01m)." Another memo reports that the "...vacuum pump repair shop in SM-30... has been there since about 1953.... Eventually this practice was changed to the present practice which is to drain this oil into a holding tank which is periodically emptied and disposed of by HSE-7.... Mr. Schoolcraft estimated that 150 to 200 pounds of mercury were dumped over the years. Both he and Mr. Collier [these men are from E-1, the Electronic Maintenance Group] related how one could stand at that spot on a warm day and press a foot on the ground and see the mercury ooze out.... Other contaminants in the oil... could include beryllium, tritium, and possibly transuranics (R02m)."

Presently, the bulk of the radioactively-contaminated oil comes from the Instrument Repair Shop at SM-30 (R03m). Waste oils may have radioactive or heavy metal contamination and are discharged to a tank behind SM-30. When the tank is full, the oil is pumped out and taken to TA-50 (R03r). Also of note is the fact that plutonium-239 is the major radioactive contaminant fixed on clothing from the Supply and Property Department (R04r).

23. Information Resources

Memos

- Reference R01m  
Title : Abandoned Waste Site at SM-30  
Author : Cliff Oliver  
Date : 10/09/85  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R02m  
Title : Mercury West of SM-30  
Author : A. John Ahlquist  
Date : 10/09/85  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R03m  
Title : Suggested Plans for Disposal of Radioactively Contaminated Oil  
Author : John Enders  
Date : 10/18/68  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

- Reference R01r  
Title : CEARP Phase I  
Author : DOE  
Date : 10/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R02r  
Title : SWMU Report  
Author : LANL  
Date : 1988  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R03r  
Title : CEARP Program - Draft Report  
Author : Joseph Szoo  
Date : 03/29/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R04r

Title : Solid Radioactive Waste Disposal / Storage

Author : D. Enders

Date : 02/01/73

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM

2. Installation : LOS ALAMOS NATIONAL LABORATORY

3. Site Name : Not identified

4. Task Number : AL-LA-021

5. Phase 1 Heading : TA-3-6-CA/O-A/I-HW/RW (OUTFALLS)

6. Release Site Descriptor : TA-03-01-004-0156

7. Installation Identifier : TA-3-6-156

8. Alternative Identifier : Not identified

9. Site Description :

Outfall from cooling tower, 3-156, NW of SM-287. The cooling tower outfalls to a storm drain between SM-287 and SM-105. The storm drain daylights northwest of SM-207. The storm drain was located during the ER Program site recon visit (R01s).

10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet

The site has not been surveyed; coordinates are estimated from available maps and drawings

North coordinate : 75+00

East coordinate : 10+00

Elevation : Not identified

11. Program Phase : RI Scoping

12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further.

13. Current Operational Status : Operational

Current Owner/Operating Group : ENG-6

14. Site Type : Active outfall and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
CHROMIUM, TOTAL	U	CAS	7440-47-3	R01s
CHROMIUM VI	U	ERP	ICR6	R01s

21. Chronological Events: Not identified

22. Comments:

Outfall from cooling tower 3-156. The outfall for the tower enters a storm drain located between SM-105 and SM-287. The storm drain is believed to daylight just to the northwest of SM-207 in the parking lot.

During the ER Program site recon visit, the cooling tower was noted to be leaking from everywhere onto the surrounding soil. The tower is believed to have received chromium for treatment in the early days of operation. Because of this, it is likely that the outfall area and drainage channel from the storm drain could contain residual chromium. If leaks occurred in the past, the soils surrounding the tower could also contain some quantity of chromium.

The following is a list of chemicals that were used in cooling towers (R01m): citric acid, malic acid, acetic acid, ethylenediaminetetraacetic acid (EDTA), N-hydroxyethylethylenediaminetriacetic acid (HEEDTA), nitrilotriacetic acid (NTA), diethylenetriamine-t-pentaacetic acid (DTPA), nitrilotri(methylene phosphonic) acid, 1-hydroxyethylidene-1,1-diphosphonic acid, polyacrylates, sodium pentachlorophenate, sodium salt of a slow chlorine release material, alkyl dimethyl benzyl ammonium chloride, amine based material, and food grade phosphoric acid.

### 23. Information Resources

#### Memos

- Reference R01m

Title : Effluent From Plant Cooling Towers

Author : E. L. Miller

Date : 07/30/71

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-01-005-0016
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :

Outfall pipe located south of SM-16 at the Two Mile Canyon edge. The origin of the pipe is not known. A minor amount of staining was noted in the discharge area during the ER Program site recon visit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Inactive outfall and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
SILVER, TOTAL	U	CAS	7440-22-4	R01r
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01r
TRITIUM	U	ERP	H-3	R01r
RADIONUCLIDES	U	ERP	RAD	R01r

21. Chronological Events: Not identified

22. Comments:

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Outfall pipe located south of SM-16 at the Two Mile Canyon edge. The pipe is 3 in cast iron, and appears to have been inactive for sometime. The origin of the pipe could not be determined during the ER Program site recon visit; however, ENG-R458 shows a possible origin. The drawing shows a portion of an abandoned acid waste and an abandoned sewer line. The description on the map of the two lines is, "These lines abandoned when connecting lines were installed." The drawing identifies the abandoned portion of the acid line as being 3 in iron. The pipe identified on the ER Program site recon visit was noted to be iron. The portion of abandoned sewer line was identified on the drawing as being 4 in VCP. Based on the observations made on the field recon and conclusions derived from ENG-R458, it is reasonable to assume that the outfall pipe is an abandoned portion of an acid waste line that served SM-16 prior to connection to the TA-3 industrial waste line.

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-01-006-0030
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Outfall pipe west of SM-30. A battery charging and refilling operation was carried out in the NW corner of SM-30 from about 1968-1975. A fume hood and emergency shower were present. The shower had a drain which may have went to the outfall (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 70+00  
East coordinate : 0+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : MEC-6
14. Site Type : Inactive outfall and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s
SULFURIC ACID	U	CAS	7664-93-9	R01s
CAUSTIC (NAOH)	U	ERP	NAOH	R01s

21. Chronological Events: Not identified

22. Comments:

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Outfall pipe west of SM-30. A battery charging and refilling operation was carried out in the northwest corner of SM-30 from about 1968-1975. A fume hood and emergency shower were present. The shower had a floor drain which may have went to the outfall. It is not known whether any contaminants entered the floor drain in the shower through the years of operation, but it is possible that sulfuric acid or sodium hydroxide may have.

No stains were noted on the soils in the outfall area during the ER Program site recon visit.

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-01-007-0041
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :

Outfall located NE of the fire station, SM-41. The outfall comes from the floor drains in SM-41 and discharges into a drainage area that leads to Los Alamos Canyon. No stains were noted in the outfall area during the ER Program site recon visit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 85+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Active outfall and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s
SULFURIC ACID	U	CAS	7664-93-9	R01s

21. Chronological Events: Not identified

22. Comments:

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Outfall located northeast of the fire station, SM-41. The outfall comes from the floor drains in SM-41 and discharges into a drainage area that trends towards Los Alamos Canyon. No stains were noted on the soils in the outfall area during the ER Program site recon visit.

There is a twenty-eight 12 volt battery UPS (uninterrupted power supply) located inside of SM-41 on the main floor. It is not known whether any ruptures or leaks have occurred from the batteries, but if there were the contaminants could have easily been washed down the floor drains in the building to the outfall. Stains were noted in a confined area on the floor around the UPS, but were not noted to have spread toward the any floor drains.

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-01-008-0102
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :

Outfall located SW of SM-316. The outfall comes from SM-102 and receives water from the cooling tower at SM-102 (approx. 1 gal/min) and once through cooling water (approx. 14 gal/min). The outfall discharges to Two Mile Canyon to the south (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 20+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : MEC-1
14. Site Type : Active outfall and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
CHROMIUM, TOTAL	U	CAS	7440-47-3	R01s
CHROMIUM VI	U	ERP	ICR6	R01s
RADIONUCLIDES	U	ERP	RAD	R01s
LITHIUM HYDRIDE	U	CAS	7580-67-8	R01s

21. Chronological Events: Not identified

22. Comments:

Outfall located southwest of SM-316. The outfall is NPDES permitted and designated EPA04A009 TA-3-102. The origin of the liquids discharged at the outfall are: blowdown from the cooling tower at SM-102 (approximately 1 gal/min), and once through cooling water from SM-102 (approximately 14 gal/min).

All analyses of water samples collected at the outfall to this date have been in compliance with discharge standards. No radionuclides have been detected in water samples taken at the outfall.

The following is a list of chemicals that were used in cooling towers (R01m): citric acid, malic acid, acetic acid, ethylenediaminetetraacetic acid (EDTA), N-hydroxyethylethylenediaminetriacetic acid (HEEDTA), nitrilotriacetic acid (NTA), diethylenetriamine-t-pentaacetic acid (DTPA), nitrilotri(methylene phosphonic) acid, 1-hydroxyethylidene-1,1-diphosphonic acid, polyacrylates, sodium pentachlorophenate, sodium salt of a slow chlorine release material, alkyl dimethyl benzl ammonium chloride, amine based material, and food grade phosphoric acid.

### 23. Information Resources

#### Memos

- Reference R01m
  - Title : Effluent From Plant Cooling Towers
  - Author : E. L. Miller
  - Date : 07/30/71
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

- Reference R01s
  - Title : ER Program site reconnaissance visit
  - Author : Roy F. Weston
  - Date : 05/22/89-07/13/89
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-01-009-0208
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :

Outfall located NW of SM-16. Overflow from the cooling tower discharges to this outfall, also the floor drains from SM-208. During the ER Program site recon visit, discharge from the outfall was noted to be draining to low lying area nearby (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : P-9, ENG-6
14. Site Type : Active outfall and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s
TRITIUM	U	ERP	H-3	R01s

21. Chronological Events: Not identified

22. Comments:

Outfall located near the northwest corner of SM-16. The outfall is NPDES permitted and designated EPA03A025 TA-3-208. Liquids from floor drains in SM-208, and overflow blowdown from the cooling tower on the roof of SM-16 go to this outfall.

The floor drains in SM-208 receive blowdown from machinery and any spills which might occur in the building. Oils and solvents have probably entered the floor drains through the years and discharged at the outfall.

During the ER Program site recon visit, discharge from the outfall pipe was noted to be draining to a low lying area nearby. The discharged liquid did not appear to contain any oils or noticable residues; however, some staining was noted in and around the outfall area.

Since SM-208 is listed as a moderate hazard category facility due to tritium, this is a potential contaminant (R01r).

The following is a list of chemicals that were used in colling towers (R01m): citric acid, malic acid, acetic acid, ethylenediaminetetraacetic acid (EDTA), N-hydroxyethylethylenediaminetriacetic acid (HEEDTA), nitrilotriacetic acid (NTA), diethylenetriamine-t-pentaacetic acid (DTPA), nitrilotri(methylene phosphonic) acid, 1-hydroxyethylidene-1,1-diphosphonic acid, polyacrylates, sodium pentachlorophenate, sodium salt of a slow chlorine release material, alkyl dimethyl benzl ammonium chloride, amine based material, and food grade phosphoric acid.

## 23. Information Resources

### Memos

- Reference R01m  
Title : Effluent From Plant Cooling Towers  
Author : E. L. Miller  
Date : 07/30/71  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

### Reports

- Reference R01r  
Title : Safety Analysis and Review System for DOE Operations  
Author : G.L. Voelz  
Date : 07/21/79  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

### Site Visits

- Reference R01s  
Title : ER Program site reconnaissance visit  
Author : Roy F. Weston  
Date : 05/22/89-07/13/89  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-01-010-0000
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :

Outfall from the carboy washing platform located southwest of SM-31. The washwater discharged to a drainage ditch leading to Two Mile Canyon. No stains were noted in the drainage channel during the ER Program site recon visit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 0+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : MAT-14
14. Site Type : Inactive outfall and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s
TRICHLOROETHENE	U	CAS	79-01-6	R01s
TOLUENE	U	CAS	108-88-3	R01s
2-BUTANONE	U	CAS	78-93-3	R01s
FREON	U	ERP	FREON	R01s
ETHYLENE GLYCOL	U	ERP	ETHGLYC	R01s
CHLOROTHENE	U	ERP	CHLOTH	R01s

21. Chronological Events: Not identified

22. Comments:

Outfall from the carboy washing platform, 3-101. The outfall is located southwest of SM-31 near the Two Mile Canyon edge. The washwater discharged from the washing platform entered a drainage channel that trends south towards Two Mile Canyon. No stains were noted in the drainage channel during the ER Program site recon visit.

In a memo dated 05/07/54, it was noted that acid carboys were being flushed out onto the ground, and a suggestion was made to construct a paved pad with proper drainage facilities (R01m).

### 23. Information Resources

#### Memos

- Reference R01m

Title : Chemical Warehouse, SM-31, TA-3

Author : M. Chain Robbins

Date : 06/17/54

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Reports

- Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-01-011-0041
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Outfall pipe located northwest of SM-41. The origin of the pipe is not known (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 85+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational, Unknown  
Current Owner/Operating Group : To Be Determined
14. Site Type : Outfall and any associated soil contamination
15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments:

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Outfall pipe located northwest of SM-41. The pipe appeared to be 3 or 4 inch VCP. The origin of the pipe is not known; however, it is located directly north of 3-59, a sewage lift station, and may be an overflow from that structure. The opening of the outfall pipe was plugged with dirt and leaves, and looked as though it had not discharged anything in some time.

23. Information Resources

#### Site Visits

#### • Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-6-CA/O-A/I-HW/RW (OUTFALLS)
6. Release Site Descriptor : TA-03-01-012-0207
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :

Outfall from the storm drain that daylights northwest of SM-207. This storm drain discharges liquids from floor drains in several buildings. This site was located during the ER Program site recon visit and no stains were noted (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 20+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active outfall and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s
PCB SCREENING	U	ERP	PCBSCREEN	R01s
FREON	U	ERP	FREON	R01s
2-BUTANONE	U	CAS	78-93-3	R01s
ACETONE	U	CAS	67-64-1	R01s
ETHANOL	U	CAS	925-93-9	R01s
METALS	U	ERP	METLS	R01s
TOLUENE	U	CAS	108-88-3	R01s
TRICHLOROETHENE	U	CAS	79-01-6	R01s
WASTE OIL	U	ERP	WOIL	R01s
SULFURIC ACID	U	CAS	7664-93-9	R01s
LEAD, TOTAL	U	CAS	7439-92-1	R01s

21. Chronological Events: Not identified

## 22. Comments:

Outfall from storm drain located northwest of SM-207. The drain discharges liquids from floor drains in buildings 38, 105, 287, and probably others. The drain also discharges blowdown from cooling tower 3-156 located just northwest of SM-287.

The storm drain discharges liquids into a drainage channel that transports those liquids to the east under Diamond Drive to Sandia Canyon. The liquids are discharged into Sandia Canyon through the same pipe that serves as the main outfall for the batch plant.

It is possible for just about anything to reach this outfall area from floor drains in the buildings, except radionuclides which are not worked with in the buildings of concern. Oils, solvents, and chemicals are probably introduced to this storm drain everyday from these buildings. The quantity is not known, but it is assumed to be a significant amount based on the number of years that operations have been going on in the buildings tied into the storm drain system.

During the ER Program site recon visit, a milky-looking liquid was noted to be discharging into the drainage channel from the storm drain. What the milky-looking constituent was is not known, but it was obvious that the channel, and subsequently Sandia Canyon, have received at least some contamination from the floor drains in the buildings.

## 23. Information Resources

### Site Visits

#### • Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (STORAGE AREAS)
6. Release Site Descriptor : TA-03-02-001-0040
7. Installation Identifier : TA-3-17-40m
8. Alternative Identifier : SWMU #3-001(b)
9. Site Description :

Photo lab in the physics building, SM-40 (room N161H). Photoprocessing chemicals are stored in this room. A floor drain in the photo lab is connected to the photoprocessor and goes to the sanitary sewer (R01r and R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : MEC-11
14. Site Type : Floor drain, drainline, and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
SILVER, TOTAL	U	CAS	7440-22-4	R01s
HYDROQUINONE	U	CAS	123-31-9	R01s
ACETIC ACID	U	CAS	64-19-7	R01s

21. Chronological Events: Not identified

22. Comments:

Photo lab in room 161H of the Physics building, SM-40. One photoprocessor is present in the room and discharges into the sanitary sewer. No silver recovery unit is currently in operation in the lab. A unit was in operation up until about four years ago (1985) when it was decided that the quantity of silver that was accumulating in the unit was so minor that having a silver recovery unit in operation was no longer justified. Since That time, the processor has been discharging to the sanitary sewer with no recovery.

The flow rate in the machine is approximately 4 gal/min with an overflow rate of approximately 0.5 gal/min to the sanitary sewer. Hydrquinone developer is used in the processor. The mixture contained in the photoprocessor is 4 gallons of Kodak fixer A (acetic acid) to 11 gallons of water. The chemicals are changed every two months in the photoprocessor, and the spent chemicals are discharged to the sanitary sewer.

### 23. Information Resources

#### Reports

- Reference R01r
  - Title : SWMU Report
  - Author : LANL
  - Date : 1988
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

- Reference R01s
  - Title : ER Program site reconnaissance visit
  - Author : Roy F. Weston
  - Date : 05/22/89-07/13/89
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-2-CA/ST-A/I-HW/RW (SEPTIC SYSTEMS)
6. Release Site Descriptor : TA-03-02-002-0689
7. Installation Identifier : TA-3-2-689
8. Alternative Identifier : SWMU #3-017(b)
9. Site Description :

A septic tank located NE of SM-282, the radio shack, was identified in the Phase I and the SWMU Report (R01r and R02r). The tank was not located during the ER Program site recon visit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 90+00  
East coordinate : 35+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :

Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational, Never existed or removed  
Current Owner/Operating Group : To Be Determined
14. Site Type : Septic tank and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments:

A septic tank, 3-689, located northeast of SM -282 was identified in the Phase I and the SWMU report. During the ER Program site recon visit, work was being performed on an underground water line in the area where the tank was shown to be located. Upon interviewing the workmen involved, none knew of the existence of a tank in the area. Harry Mydock, the ENG-5 coordinator for the area, knew nothing of a septic tank northeast of SM-282. The facility manager, Bob French, has been manager, Bob French, has been working at SM-282 since 1977 and he did not know of the existence of a septic tank northeast of the building.

The building is presently connected into the sanitary sewer and has been since before Bob French arrived in 1977. It is possible that the tank was proposed and never installed, or that it was removed and general knowledge of its removal was lacking.

23. Information Resources

#### Reports

• Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R02r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-2-CA/ST-A/I-HW/RW (SEPTIC SYSTEMS)
6. Release Site Descriptor : TA-03-02-003-1484
7. Installation Identifier : TA-3-2-1484
8. Alternative Identifier : SWMU #3-016(a)
9. Site Description :  
Septic tank, 3-1484 (R01r and R02r), serving the bathrooms in SM-130. The tank has an overflow to a seepage pit, 3-1667. The tank receives only sanitary waste (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 30+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
This septic tank receives only sanitary waste from the bathroom in SM-130. No oils, chemicals, solvents, or radionuclides have been introduced into the system. Therefore, no further action is warranted.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Septic tank and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments:

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Septic tank, 3-1484, located on the north side of the eastern building at SM-130. The tank is 1,000 gallons, made of precast fiberglass, and was installed in 1984. It serves the bathroom in SM-130 and receives only sanitary waste. An overflow pipe from the tank goes to a seepage pit, 3-1667, located just to the east of the tank. The seepage pit was installed in 1986, two years after the tank. Prior to the installation of the seepage pit, the overflow from the septic tank may have discharged to a leach field in the same area, or it may have had no overflow and was pumped out on a regular basis.

23. Information Resources

Reports

• Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R02r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-2-CA/ST-A/I-HW/RW (SEPTIC SYSTEMS)
6. Release Site Descriptor : TA-03-02-004-1667
7. Installation Identifier : TA-3-2-1667
8. Alternative Identifier : SWMU #3-016(b)
9. Site Description :  
Seepage pit located east of SM-130 (R01r and R02r). Serves septic tank, 3-1484, and receives only sanitary waste (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 30+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
This seepage pit serves septic tank 3-1484 and receives only sanitary waste from the tank. No oils, chemicals, solvents, or radionuclides have been introduced into the system. Therefore, no further action is warranted.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Septic tank and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments:

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Seepage pit, 3-1667, located east of SM-130 just outside of the fenced area. The pit was installed in 1986, and receives only sanitary waste from septic tank 3-1484.

23. Information Resources

Reports

\* Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

\* Reference R02r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-02-005-0016
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Sump in basement of SM-16 (room 50). The sump receives domestic waste and liquids from the floor drains not receiving blowdown from machinery. The sump is pumped into the TA-3 sanitary sewer line (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : P-9
14. Site Type : Sanitary sump, drainline, and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s
TRITIUM	U	ERP	H-3	R01s
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s

21. Chronological Events: Not identified

## 22. Comments:

Sump in room 50 of the Van de Graff facility, SM-16. The sump receives domestic waste from the bathrooms in the building, as well as liquids from the floor drains not receiving blowdown from machinery. Wastes in the sump are pumped into the TA-3 sanitary sewer line. It is not likely that the wastes pumped to the sanitary sewer from the sump are contaminated; however, it is possible that leaks or ruptures in machinery may cause contaminated oils to enter floor drains in the equipment rooms and be sent to the sump, and subsequently, the sanitary sewer.

The floor drains in the equipment rooms that receive blowdown from machinery are connected to the industrial waste line because the blowdown may be contaminated with minor amounts of radionuclides. Leaks have occurred from machinery in the past which have resulted in radionuclide contaminated oils being sent to the sanitary sewer. During the ER Program site recon visit, stains were noted on the floor throughout the room and around the floor drains that are connected to the sanitary sewer.

It may be useful to consider the types of potential contaminants that have been used in SM-16 in the past, even though the likelihood of their getting into the sump is remote. A summary of these follows.

In a memo from 10/19/54, it was noted that the darkroom was being used as a laboratory. Also, there was large-scale cleaning operations that were using TCE. Finally, there was an accelerator in this building, so activation products may be possible (R01m).

Industrial hygiene surveys conducted in this building reveals the use of TCE, MEK, acetone, "thinner 1500, tygon thinner TP91," acid dip, kerosene, rust remover, carbon tetrachloride, tritium, mercury, toluene, ethanol, "Dupont RC-80C curing agent, epoxy resin 46950," methyl chloroform, amyl acetate, "SR-82 silicone resin," Freon TF, benzene, 2,2-dimethyl butane, boron trifluoride, ethylene chloride, chloroform, "EpoxyLite Resin No. 69, Nuclear Enterprise 561 catalyst and reflector point resin, spray adhesive 77, Eccobond epoxy," and radioactive materials. Use of a neutron beam is also mentioned as being in the sub-basement (R02m, R04m, and R05m). Evidentially they also had soldering benches in this building (R02m).

The Van de Graff is listed as having tritium and C-14 as contaminants (R04r). SM-16 also has tritium and "IA" (probably stands for induced activity) listed as radioactive contaminants (R02r). Tritium and the Van de Graff are responsible for SM-16 rating a moderate hazard category ranking (R03r).

Group P-9 is reported as infrequently generating solid radioactive waste consisting of radioactive foils or lab equipment contaminated with tritium (R06r).

## 23. Information Resources

## Memos

## • Reference R01m

Title : Industrial Hygiene Survey of P-Division

Author : H. S. Jordan

Date : 10/19/54

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

## • Reference R02m

Title : Industrial Hygiene Survey of P-9 Facilities

Author : Gilbert H. Ferran

Date : 09/23/64

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R03m  
Title : Industrial Hygiene Survey Group H-5 Plan Approval  
Author : J. D. DeField  
Date : 04/27/64  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R04m  
Title : Industrial Hygiene Survey, SM-16  
Author : G. H. Ferran  
Date : 01/15/68  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R05m  
Title : Preliminary Survey of P-9 Facilities  
Author : Fredrick M. Toca  
Date : 01/09/69  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R06m  
Title : TA-59 notes  
Author : Jay Wenzel  
Date : 01/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Reports

- Reference R01r  
Title : CEARP Phase I  
Author : DOE  
Date : 10/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R04r  
Title : CEARP Program - Draft Report  
Author : Joseph F. B. Szoo  
Date : 03/29/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R02r  
Title : Partial copy of unknown report on LANL radioactive contaminants  
Author : Unknown  
Date : Unknown  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R03r  
Title : Safety Analysis and Review System for DOE Operations  
Author : G.L. Voelz  
Date : 07/21/79  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R05r

Title : H-Division Forecast, FY 1966 and FY 1967

Author : T. L. Shipman

Date : 05/11/65

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R06r

Title : Solid Radioactive Waste Disposal / Storage

Author : D. Enders

Date : 02/01/73

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Analytical Data

+ Reference R01a

Title : Sampling Data Sheet #0-166, Analysis Request Sheets 4409 and 5010

Author : Ortiz and Seitz

Date : 03/21/85

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-02-006-0443
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Septic pit located SW of the university house, SM-443. Pit serves SM-443 and is pumped out into the TA-3 sanitary sewer line (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 80+00  
East coordinate : 20+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
The septic pit receives only sanitary waste from the bathrooms in SM-443. There are no operations carried out in the building that could cause environmental contamination. Therefore, no further action is warranted.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Septic pit and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments:

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Septic pit located southwest of the University House, SM-443. The pit serves the bathrooms in the building, and receives only sanitary waste. The wastes in the tank are pumped out into the TA-3 sanitary sewer line. No operations are carried out in the building that could possibly cause contamination to the environment from the tank.

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-02-007-1617
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Septic pit located NW of SM-1617. Pit serves SM-1616 and SM-1617, and is pumped out into the TA-3 sanitary sewer line (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 80+00  
East coordinate : 20+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
The septic pit receives only sanitary waste from the bathrooms in SM-1616 and 1617. There are no operations carried out in the building that could cause environmental contamination. Therefore, no further action is warranted.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Septic pit and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments:

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Septic pit located northwest of SM-1617. The pit serves the bathrooms in SM-1617, as well as in SM-1616, and receives only sanitary waste. The wastes in the tank are pumped out into the TA-3 sanitary sewer line. No operations are carried out in either of the buildings that could possibly cause contamination to the environment from the tank.

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-5-CA/S/UST/SST-A/I-HW/RW (CHEM WASTE SUMPS & TANKS)
6. Release Site Descriptor : TA-03-03-001-0040
7. Installation Identifier : TA-3-5-40
8. Alternative Identifier : SWMU #3-033
9. Site Description :  
Wastes generated by the printed wire board shop in SM-40 are discharged to a 200 gallon UST and then to above-ground drums. The above-ground drum storage area has a concrete sump below it (R02r and R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : MEC-11
14. Site Type : UST, drainline, sump, and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
SULFURIC ACID	U	CAS	7664-93-9	R01s
NICKEL, TOTAL	U	CAS	7440-02-0	R01s
GOLD, TOTAL	U	CAS	7440-57-5	R01s
COPPER, TOTAL	U	CAS	7440-50-8	R01s
NITRIC ACID	U	CAS	7697-37-2	R01s
PHOSPHORIC ACID	U	CAS	7664-38-2	R01s
HYDROCHLORIC ACID	U	CAS	7647-01-0	R01s
FERRIC CHLORIDE	U	CAS	7705-08-0	R01s
LEAD - TIN FLUOROBORATES	U	ERP	PB-SN-FLRB	R01s

21. Chronological Events: Not identified

## 22. Comments:

Phase I description: " For many years a printed circuit shop has been operated at TA-3-40. Chemicals used include hydrochloric acid, ferric chloride, nickel, copper, gold, and pyrophosphate solutions, fluoroborate, and lead-tin fluoroborates."

SWMU report description: " For many years a printed circuit shop has operated at TA-3-40, the physics building. The liquid wastes generated by the printed circuit facility are discharged to a 200-gallon capacity underground storage tank and then to aboveground drums. The drums are removed from the site by HSE-7. The aboveground container storage area has a concrete sump below it. A November 1988 field survey observed liquid in this sump. In previous years, an 800-gallon aboveground tank was used instead of the drums. The fate of this tank is unknown."

Wastes generated in the printed wire board shop are pumped to sump tank located in manhole pit right on the northwest corner of the north wing of SM-40. When the sump tank in the pit is full, the wastes are pumped from that tank through a PVC pipe to 55 gallon drums located on top of a concrete sump covered by a steel grate. When the drums are full, they are picked up by HSE-7 and disposed of.

The manhole pit that houses the sump tank was recently cleaned out by Roy Gallegos, ENG-5. After years of use, the inside of pit was saturated with spilled and leaked wastes from the sump tank and associated lines. The old sump tank and about 1 ft of soil was removed from the inside of the pit. After the pit was cleaned out, gravel was placed in the pit and a new sump tank installed on top of the gravel.

No stains were noted around the outside of the manhole pit; however, stains were noted on the inside of the pit, and in the concrete sump below the drums.

## 23. Information Resources

## Reports

- Reference R01r
  - Title : CEARP Phase I
  - Author : DOE
  - Date : 10/87
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R02r
  - Title : SWMU Report
  - Author : LANL
  - Date : 1988
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

## Site Visits

- Reference R01s
  - Title : ER Program site reconnaissance visit
  - Author : Roy F. Weston
  - Date : 05/22/89-07/13/89
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-4-5-A/I-PP (Oil Sumps)
6. Release Site Descriptor : TA-03-03-002-0148
7. Installation Identifier : TA-3-4-148
8. Alternative Identifier : SWMU #3-023
9. Site Description :  
Manhole oil sump located just south of SM-105 (R01r and R02r). The sump was filled with cement and abandoned in place in 1978 (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 75+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational, Abandoned in place  
Current Owner/Operating Group : To Be Determined
14. Site Type : Manhole, oil sump and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R02r
WASTE OIL	U	ERP	WOIL	R02r

21. Chronological Events: Not identified

22. Comments:

In a memo from 9/13/60, a need for dikes or sumps south of the Sherwood Complex was discussed (R01m).

TCE was used in room 102 and may be a potential contaminant (R02m). "Marcol" oil was used in the capacitors (R03m) and was stored in tank S-5 (R04m). In 10/04/61, discussions were being made to substitute triple-distilled castor oil for PCBs in the capacitors (R05m). The Sherwood building also used epoxies (R06m), and room 101 was used as the Experimental Epoxy Facility (R07m). An industrial hygiene survey found acetone, vythene, "Strypeeze, Thinner 1500," soft soldering operations, epoxy, solvents, and mercury (R08m). By 05/11/65, the Sherwood Facility was just reaching the point where increased usage of tritium was necessary (R06r). Another report mentions that this facility is attached to SM-43 by a corridor. Also, it has a bank of capacitors which contain PCBs, and cleaning facilities for silver, copper, and brass that utilizes several water baths and a nitric acid bath (R07r). The capacitors were noted to be leaking (R09m). Overall, the facility was rated a low hazard, primarily due to the plasma experiments (R04r).

It is not known exactly what the manhole oil sump received, but anything worked with in the building during the time that the oil sump was in operation had the potential to reach the sump. The condition of the sump is not known either. If the sump had leaks or cracks, then there is the potential that contaminants could have escaped from the sump to the surrounding soil. The sump was filled with cement and abandoned in place in 1978.

The sump was filled with cement and abandoned in place in 1978. All that was noted to remain of the sump on the surface during the ER Program site recon visit was a cement outline of where the manhole used to be. No stains were noted on the ground around the sump.

## 23. Information Resources

## Memos

- Reference R01m  
Title : Proposed 13.2 KV Feeder for Sherwood 2.5 MV Rectifier  
Author : Ted Ehrenkranz  
Date : 09/13/60  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R02m  
Title : Vapor Increaser, Room 102, Bldg. SM-105, TA-3  
Author : R. N. Mitchell  
Date : 05/31/60  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R03m  
Title : Sherwood File - Scylla IV  
Author : Unknown  
Date : 12/15/61  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R04m  
Title : Industrial Hygiene Survey of J-16 facilities in SM-43  
Author : H. J. Ettinger  
Date : 08/27/62  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R05m  
Title : Sherwood file- Substitute triple distilled castor oil  
Author : Unknown  
Date : 10/04/61  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R06m  
Title : Use of Epoxy Resins  
Author : H. F. Shulte  
Date : 06/06/62  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R07m  
Title : Industrial Hygiene Group H-5 Plan Approval  
Author : E. C. Hyatt  
Date : 03/09/64  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R08m  
Title : Industrial Hygiene Survey of SM-105 Sherwood Complex and SM-43 NW Wing  
Author : Gilbert H. Ferran  
Date : 10/12/65  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R09m  
Title : Preliminary Reconnaissance Findings - Transformers and Capacitors  
Author : Marji Martz  
Date : 03/06/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

## Reports

- Reference R06r  
Title : H-Division Forecast FY 1966 and FY 1967  
Author : T. L. Shipman  
Date : 06/11/65  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R07r  
Title : CEARP Program - Draft Report  
Author : Joseph F. B. Szoo  
Date : 03/29/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R03r  
Title : Initial Field Observation Report  
Author : B. Perkins  
Date : 02/27/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R04r  
Title : Safety Analysis and Review System for DOE Operations  
Author : G.L. Voelz  
Date : 07/21/79  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R05r  
Title : Solid Radioactive Waste Disposal/Storage  
Author : D. Enders  
Date : 02/73  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R01r  
Title : CEARP Phase I  
Author : DOE  
Date : 10/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R02r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-03-003-0040
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Printed wire board shop in SM-40. The floor drains in the shop go to sanitary sewer. The floor consists of a steel grate about 2 inches above concrete. The steel grate and concrete below are heavily stained, and corroded in places (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : MEC-11
14. Site Type : Floor drains, drainlines, and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
SULFURIC ACID	U	CAS	7664-93-9	R01s
NICKEL, TOTAL	U	CAS	7440-02-0	R01s
GOLD, TOTAL	U	CAS	7440-57-5	R01s
COPPER, TOTAL	U	CAS	7440-50-8	R01s
NITRIC ACID	U	CAS	7697-37-2	R01s
PHOSPHORIC ACID	U	CAS	7664-38-2	R01s
HYDROCHLORIC ACID	U	CAS	7647-01-0	R01s
FERRIC CHLORIDE	U	CAS	7705-08-0	R01s
LEAD - TIN FLUOROBORATES	U	ERP	PB-SN-FLRB	R01s

21. Chronological Events: Not identified

22. Comments:

Printed Wire Board shop in room N161D of SM-40. The shop contains all sorts of chemicals and acids. Nickel, gold, and copper plating solutions; sulfuric, nitric, hydrochloric, and phosphoric acids; process charge solutions; oxidizer solutions; ferric chloride; pyrophosphate solutions; fluoroborate; and lead-tin fluoroborates are used in the operations carried out in the printed wire board shop.

There was evidence of massive spills in the shop noted during the ER Program site recon visit. The concrete floor and steel grate covering the floor are heavily stained with all sorts of chemicals. In areas where acids are used, the concrete floor and steel grate are corroded from acid spills. Floor drains are present throughout the shop and are connected to the sanitary sewer. It is obvious that a large quantity of chemicals used in the shop have entered the floor drains and subsequently the sanitary sewer.

## 23. Information Resources

### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-03-004-0065
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Etching of Cr-39 plastic (polymer plastic) was carried out in SM-65. Operation was carried out for about 1 year and during that time chemical wastes used in the process were dumped down the sink drain. Sink drain is connected to acid waste line (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 30+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : HSE-1
14. Site Type : Sink drain, drainline, and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
CAUSTIC (NAOH)	U	ERP	NAOH	R01s
POTASSIUM HYDROXIDE	U	CAS	1310-58-3	R01s
PHOSPHORIC ACID	U	CAS	7664-38-2	R01s

21. Chronological Events: Not identified

22. Comments:

A room in SM-65 was used from about 1987 to 1988 for etching of Cr39 plastic (polymer plastic). The process involved bombarding the plastic with neutrons, and then exposing the plastic to NaOH. When the plastic was exposed to the NaOH, it was possible to see the track that the neutron created in the plastic. For the year that this operation was carried out, chemicals were dumped down a sink drain in the room. NaOH, phosphoric acid, and KOH were commonly used in the process, but what other chemicals may have been dumped down the drain is unknown. The sink drain is connected to the industrial waste line.

During the ER Program site recon visit, readings of about 250 counts/min were being detected in the sink drain. This may have been due to the fact that we were right next door to the source storage vault in SM-65.

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-03-005-0316
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Floor drains in the equipment room of SM-316 receive blowdown from machinery located in the room. The drains go to the sanitary sewer. No floor drains are present in the main shop area of the building (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 25+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : P-1
14. Site Type : Floor drain, drainline, and any soil contamination

15. Potential Pathways : Not identified
16. Generic Waste Type : Not identified
17. EPA Waste Characteristics : Not identified
18. EPA Waste Types : Not identified

## 19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s

## 21. Chronological Events: Not identified

## 22. Comments:

On 09/18/69 there was a fire that caused the loss of two capacitors and possibly spreading oil (R01m). SM-316 is classified as a low hazard category due to the H.V. Test Facility (R01r).

There are several floor drains in room 101 (equipment room) of SM-316. The room houses compressors and a heating unit. Blowdown from machinery goes to the floor drains which are connected to the sanitary sewer. Oil spills and stains were noted on the floor of the room during the ER Program site recon visit. It is apparent that oil leaks from the machinery have entered the floor drains.

## 23. Information Resources

## Memos

## + Reference R01m

Title : Sept. 18, 1969 fire in HVIF (SM-316)

Author : Jim Wing

Date : 09/29/69

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

• Reference R01r

Title : Safety Analysis and Review System for DOE Operations

Author : G.L. Voelz

Date : 07/21/79

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-03-006-1502
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Drain located west of SM-65. This drain used to be hooked up to showers in the change out trailer, 3-1502, and went to the industrial waste line (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 30+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Drainline and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
RADIONUCLIDES	U	ERP	RAD	R01s

21. Chronological Events: Not identified

22. Comments:

Drainline located under the stairs on the east side of trailer 3-1898. This drainline used to be connected to the shower, sink, and toilet drains in trailer 3-1502 that was located in the same spot that trailer 3-1898 occupies now. 3-1502 was used as the change out trailer and cleanup place for the individuals working on the old industrial waste line removal project. The drainline from the shower, sink, and toilet drains in the change out trailer was connected to the industrial waste line.

After the industrial waste line removal project was completed, the change out trailer was monitored by HSE-1 and removed to the hot dump. The main drainline that connected the shower, sink, and toilet drains to the industrial waste line is still present, but no unusually high readings were detected from it during the ER Program site recon visit.

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-03-007-0016
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Floor drain system in SM-16. Floor drains receiving blowdown from machinery go to the industrial waste line. All other floor drains go to the sanitary sewer (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : P-9
14. Site Type : Floor drains, drainlines, and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TRITIUM	U	ERP	H-3	R01s
ACETONE	U	CAS	67-64-1	R01s
TRICHLOROETHENE	U	CAS	79-01-6	R01s
CARBON TETRACHLORIDE	U	CAS	56-23-5	R01s
CARBON-14	U	ERP	C-14	R01s
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s
OIL & GREASE	U	ERP	IOGGR	R01s
PCB SCREENING	U	ERP	PCBSCREEN	R01s
ETHANOL	U	CAS	925-93-9	R01s
CHLOROTHENE	U	ERP	CHLOTH	R01s

21. Chronological Events: Not identified

## 22. Comments:

In a memo from 10/19/54, it was noted that the darkroom was being used as a laboratory. Also, there was large-scale cleaning operations that were using TCE. Finally, there was an accelerator in this building, so activation products may be possible (R01m).

Industrial hygiene surveys conducted in this building reveals the use of TCE, MEK, acetone, "thinner 1500, tygon thinner TP91," acid dip, kerosene, rust remover, carbon tetrachloride, tritium, mercury, toluene, ethanol, "Dupont RC-80C curing agent, epoxy resin 46950," methyl chloroform, amyl acetate, "SR-82 silicone resin," Freon TF, benzene, 2,2-dimethyl butane, boron trifluoride, ethylene chloride, chloroform, "EpoxyLite Resin No. 69, Nuclear Enterprise 561 catalyst and reflector point resin, spray adhesive 77, Eccobond epoxy," and radioactive materials. Use of a neutron beam is also mentioned as being in the sub-basement (R02m, R04m, and R05m). Evidentially they also had soldering benches in this building (R02m).

The Van de Graff is listed as having tritium and C-14 as contaminants (R04r). SM-16 also has tritium and "IA" (probably stands for induced activity) listed as radioactive contaminants (R02r). Tritium and the Van de Graff are responsible for SM-16 rating a moderate hazard category ranking (R03r).

Group P-9 is reported as infrequently generating solid radioactive waste consisting of radioactive foils or lab equipment contaminated with tritium (R06r).

The floor drain system in SM-16 prior to the new addition to the building in 1965 was connected to the TA-3 sanitary sewer line. During this time, no radionuclides were worked with in SM-16. Only chemicals and solvents such as acetone, TCE, and carbontet. were being used. Chemicals and solvents were liberally washed down the sink drains and blowdown from machinery went to the floor drains during this period of time.

After the addition of the new building in 1965, the floor and sink drains were either rerouted to the industrial waste line or remained connected to the sanitary sewer. All sink drains in SM-16, along with all floor drains receiving blowdown from machinery, are connected to the industrial waste line. The toilets and all floor drains not receiving blowdown from machinery remain connected to the TA-3 sanitary sewer line.

Room 150 of SM-16 houses compressors, the air cooling system, and vacuum pumps. In the past, there was a large leak from a vacuum pump in the room. The oil which leaked from the pump was contaminated with tritium, and escaped down the floor drains connected to the industrial waste line. Cleanup was undertaken immediately by using absorbent and washing the floor down. During the floor washdown activities, attempts were made to flush all of the oil down the floor drains which were connected to the industrial waste line; however, oils did enter the floor drains connected to the sanitary sewer as well. The quantity that entered the sanitary sewer was estimated to be small by those on hand during the cleanup.

A chemical lab is operated in room 45 of SM-16. Tritium, carbon-14, and cleaning solvents are used regularly in this lab. The sink and floor drains in the lab are connected to the industrial waste line.

## 23. Information Resources

## Memos

## • Reference R01m

Title : Industrial Hygiene Survey of P-Division

Author : H. S. Jordan

Date : 10/19/54

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R02m  
Title : Industrial Hygiene Survey of P-9 Facilities  
Author : Gilbert H. Ferran  
Date : 09/23/64  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R03m  
Title : Industrial Hygiene Survey Group H-5 Plan Approval  
Author : J. D. DeField  
Date : 04/27/64  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R04m  
Title : Industrial Hygiene Survey, SM-16  
Author : G. H. Ferran  
Date : 01/15/68  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R05m  
Title : Preliminary Survey of P-9 Facilities  
Author : Fredrick M. Toca  
Date : 01/09/69  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R06m  
Title : TA-59 notes  
Author : Jay Wenzel  
Date : 01/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Reports

- Reference R01r  
Title : CEARP Phase I  
Author : DOE  
Date : 10/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R04r  
Title : CEARP Program - Draft Report  
Author : Joseph F. B. Szoo  
Date : 03/29/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R02r  
Title : Partial copy of unknown report on LANL radioactive contaminants  
Author : Unknown  
Date : Unknown  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R03r  
Title : Safety Analysis and Review System for DOE Operations  
Author : G.L. Voelz  
Date : 07/21/79  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R05r  
Title : H-Division Forecast, FY 1966 and FY 1967  
Author : T. L. Shipman  
Date : 05/11/65  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R06r  
Title : Solid Radioactive Waste Disposal / Storage  
Author : D. Enders  
Date : 02/01/73  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

- Reference R01s  
Title : ER Program site reconnaissance visit  
Author : Roy F. Weston  
Date : 05/22/89-07/13/89  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Analytical Data

- Reference R01a  
Title : Sampling Data Sheet #0-166, Analysis Request Sheets 4409 and 5010  
Author : Ortiz and Seitz  
Date : 03/21/85  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-5-CA/S/UST/SST-A/I-HW/RW (Chem waste sump & tanks)
6. Release Site Descriptor : TA-03-04-001-0287
7. Installation Identifier : TA-3-5-287
8. Alternative Identifier : SWMU #3-020
9. Site Description :  
Well on the east side of SM-287. The well received oil and water (R01r and R02r) from blowdown of the receiver tank on SE corner of SM-287 (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 70+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Absorption well and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	10GGR	R01s

21. Chronological Events: Not identified

22. Comments:

Phase I description: " On the east side of TA-3-287 is a covered well in the ground. During the field survey, the well's small lid was removed. A pipe running into the well and a screen with pebbles below were noted. The area around the well appears oily. An employee indicated that the well was used to discharge liquids from the air compression system" (R01r).

SWMU report description: " On the east side of TA-3-287 is a covered pit. There is a pipe running into the pit and a screen with pebbles below it. The area around the pit appeared oily. An employee indicated that the pit was used to discharge liquids from the air compression system" (R02r).

The well appeared to consist of a buried 32 gallon drum filled with gravel and a screen. A pipe enters the top of the barrel just above the screen from SM-287. The barrel appears to be a "home made" filter system for the blowdown from an air compression system on the southeast side of the building. Stains were noted on the soil around the barrel during the ER Program site recon visit (R01s).

## 23. Information Resources

### Reports

- Reference R01r  
Title : CEARP Phase I  
Author : DOE  
Date : 10/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R02r  
Title : SWMU Report  
Author : LANL  
Date : 1988  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

### Site Visits

- Reference R01s  
Title : ER Program site reconnaissance visit  
Author : Roy F. Weston  
Date : 05/22/89-07/13/89  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-4-5-A/1-PP (Oil Sumps)
6. Release Site Descriptor : TA-03-05-001-0550
7. Installation Identifier : TA-3-4-550
8. Alternative Identifier : SWMU #3-022
9. Site Description :  
Large, underground sump located beneath the oil storage tanks for SM-316. The sump is open to the atmosphere and was noted to have liquid standing in it during the ER Program site recon visit (R01r, R02r, and R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 25+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : P-1
14. Site Type : Active retaining sump

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R02r

21. Chronological Events: Not identified

22. Comments:

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Phase I description: " A large underground sump, TA-3-550, is located under the oil storage tanks for TA-3-316. During the CEARP survey oily water was noted in this sump" (R01r).

SWMU report description: " .... A large underground sump, TA-3-550, is located under the tanks.... Oily water was observed in the sump during a 1988 survey. Additionally, oil spills near the sump were noted. The sump is concrete, open to the atmosphere, and covered with a metal screen. The sump is pumped, if necessary, although pumping is an infrequent occurrence, according to LANL staff" (R02r).

No stains were noted on the soil around the sump during the ER Program site recon visit. A small amount of oily water was noted to be standing in the bottom of the sump.

23. Information Resources

#### Reports

- Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R02r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-1-CA-A/I-HW/RW (Facilities)
6. Release Site Descriptor : TA-03-06-001-0101
7. Installation Identifier : TA-3-1-101
8. Alternative Identifier : SWMU #3-011
9. Site Description :  
Carboy washing platform, inactive since 1980 (R01r and R02r). Drums were washed and cleaned out in this area for reuse. Washing platform is still in place. No stains were noted on the platform or around it during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 0+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : MAT-14
14. Site Type : Remnant soil contamination around washing platform

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s
TRICHLOROETHENE	U	CAS	79-01-6	R01s
TOLUENE	U	CAS	108-88-3	R01s
2-BUTANONE	U	CAS	78-93-3	R01s
FREON	U	ERP	FREON	R01s
ETHYLENE GLYCOL	U	ERP	ETHGLYC	R01s
CHLOROTHENE	U	ERP	CHLOTH	R01s

21. Chronological Events: Not identified

22. Comments:

Phase I description: " ENG-R115 shows a carboy washing platform to the west of SM-31. It would be expected that the liquids had been discharged to the nearby arroyo, but information on this operation is lacking. ENG-R5103 shows that the platform was removed in 1980" (R01r).

SWMU report description: " Carboy washing platform TA-3-101 was built in 1956. It was a reinforced concrete 10' x 10' x 6" thick pad approximately 1'6" above the ground. The platform was removed in 1980" (R02r).

The carboy washing platform is located in the southwest corner of the fenced yard for SM-31. The platform was not removed, but is still in place. It was used for the purpose of washing and cleaning out drums that were to be reused. The liquids from the washing operations discharged to a drainage channel south of the platform and flowed downgradient where they entered Two Mile Canyon about 200 ft south of the wash platform and west of SM-40. No stains were noted around the platform, in the drainage channel, or in the outfall area to Two Mile Canyon during the ER Program site recon visit (R01s).

## 23. Information Resources

### Reports

- Reference R01r  
Title : CEARP Phase I  
Author : DOE  
Date : 10/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R02r  
Title : SWMU Report  
Author : LANL  
Date : 1988  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

### Site Visits

- Reference R01s  
Title : ER Program site reconnaissance visit  
Author : Roy F. Weston  
Date : 05/22/89-07/13/89  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-06-002-0040
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
The soil area below the floor of the printed wire board shop is heavily stained from spills and leaks caused by the corrosion of pipes (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : MEC-11
14. Site Type : Soil contamination from corroded pipes

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
SULFURIC ACID	U	CAS	7664-93-9	R01s
NICKEL, TOTAL	U	CAS	7440-02-0	R01s
GOLD, TOTAL	U	CAS	7440-57-5	R01s
COPPER, TOTAL	U	CAS	7440-50-8	R01s
NITRIC ACID	U	CAS	7697-37-2	R01s
PHOSPHORIC ACID	U	CAS	7664-38-2	R01s
HYDROCHLORIC ACID	U	CAS	7647-01-0	R01s
FERRIC CHLORIDE	U	CAS	7705-08-0	R01s
LEAD - TIN FLUOROBORATES	U	ERP	PB-SN-FLRB	R01s

21. Chronological Events: Not identified

22. Comments:

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There is a crawl space located underneath the printed wire board shop in SM-40. The door that accesses the crawl space is designated N21. Below the floor of the shop in the crawl space is a system of pipe chases. Through the years, the chemicals and acids carried in these pipes have corroded the pipes several times causing large spills on the soils in the crawl space. During the ER Program site recon visit, the soils in the crawl space were noted to be stained blue and other colors from past spills. There has been no cleanup performed in the crawl space after the spills have occurred (R01s).

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-06-003-0105
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Floor drains in SM-105 and SM-287 go to the storm drain which daylights northwest of SM-207 (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 75+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Floor drain and any associated soil contamination
15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s
PCB SCREENING	U	ERP	PCBSCREEN	R01s
FREON	U	ERP	FREON	R01s
2-BUTANONE	U	CAS	78-93-3	R01s
ACETONE	U	CAS	67-64-1	R01s
ETHANOL	U	CAS	925-93-9	R01s
METALS	U	ERP	METLS	R01s
TOLUENE	U	CAS	108-88-3	R01s
TRICHLOROETHENE	U	CAS	79-01-6	R01s
WASTE OIL	U	ERP	WOIL	R01s
SULFURIC ACID	U	CAS	7664-93-9	R01s

21. Chronological Events: Not identified

22. Comments:

Outfall from storm drain located northwest of SM-207. The drain discharges liquids from floor drains in buildings 38, 105, 287, and probably others. The drain also discharges blowdown from cooling tower 3-156 located just northwest of SM-287.

The storm drain discharges liquids into a drainage channel that transports those liquids to the east under Diamond Drive to Sandia Canyon. The liquids are discharged into Sandia Canyon through the same pipe that serves as the main outfall for the batch plant.

It is possible for just about anything to reach this outfall area from floor drains in the buildings, except radionuclides which are not worked with in the buildings of concern. Oils, solvents, and chemicals are probably introduced to this storm drain everyday from these buildings. The quantity is not known, but it is assumed to be a significant amount based on the number of years that operations have been going on in the buildings tied into the storm drain system.

During the ER Program site recon visit, a milky-looking liquid was noted to be discharging into the drainage channel from the storm drain. What the milky-looking constituent was is not known, but it was obvious that the channel, and subsequently Sandia Canyon, have received at least some contamination from the floor drains in the buildings.

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-06-004-0214
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Air compressor located on the south side of SM-40, east of SM-214. Oil leaks and stains were noted during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : ENG-5
14. Site Type : General surface contamination from leaky compressor

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s

21. Chronological Events: Not identified

22. Comments:

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Air compressor located on the south side of SM-40, east of SM-214. Oil leaks and stains were noted on the asphalt around the compressor during the ER Program site recon visit (R01s).

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-06-005-0287
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Oil stained pavement outside on the SE corner of SM-287. Down gradient from the stained area is a storm drain. Oil was visible on the rocks and sand in the bottom of the storm drain during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 70+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Storm drain, and any spill or soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s
PCB SCREENING	U	ERP	PCBSCREEN	R01s
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s

21. Chronological Events: Not identified

22. Comments:

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Oil stained pavement outside on the southeast corner of SM-287. The oil stains appear to be from some type of capacitor maintenance operation that is performed in the area. There were several oily capacitors noted to be setting in the area during the ER Program site recon visit (R01s).

Downgradient from the oil stained pavement is a grate leading to a storm drain. It appears that oil has been washed with runoff into the storm drain grate. Upon observation during the ER Program site recon visit, the gravel and soil down in the storm drain was stained with oil, and a strong oil smell was noted from the drain (R01s).

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-06-006-0316
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Soil stains around a dumpster near the NE corner of SM-316. It has been common practice in SM-316 to take oil soaked absorbent and dispose of it directly into the dumpster (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 25+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : P-1
14. Site Type : Gneral surface soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s

21. Chronological Events: Not identified

22. Comments:

Soil stains were noted on the soil around a dumpster just northeast of SM-316 during the ER Program site recon visit. Upon further investigation, it was found that it has been common practice to take oil-soaked absorball and dispose of it directly into the dumpster. This practice has been going on for sometime according to two employees.

The oil comes from leaks in the two Marx generators located in SM-316. The oil leaks are soaked up with absorball and disposed of in the dumpster (R01s).

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-08-001-0040
7. Installation Identifier : TA-3-17-40b
8. Alternative Identifier : SWMU #3-001(b)
9. Site Description :  
Room N121 of the physics building, SM-40, identified in the SWMU Report (R01r). Room N121 does not exist in the physics building (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
Room N121 identified in the SWMU report does not exist in the physics building, SM-40.
13. Current Operational Status : Not Operational, Room that was identified for storage does not exist  
Current Owner/Operating Group : Not identified
14. Site Type : Satellite storage area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments:

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Room N121 of the Physics building, SM-40, identified in the SWMU report (R01r). No room N121 was found in the physics building during the ER Program site recon visit. A LANL employee indicated that no room N121 has ever existed in the building (R01s).

23. Information Resources

Reports

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-08-002-0040
7. Installation Identifier : TA-3-17-40c
8. Alternative Identifier : S# 3-001(b)
9. Site Description :  
Room S106 of the physics building, SM-40 (R01r). The room is a lab, but no chemicals, oils, solvents, or anything hazardous is stored in the room (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : ESS-8
14. Site Type : Satellite storage area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments:

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Room S106 located in the physics building, SM-40 (R01r). The room is a lab, but no chemicals, oils, solvents, or anything hazardous is stored in this room (R01s).

23. Information Resources

Reports

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-08-003-0040
7. Installation Identifier : TA-3-17-40d
8. Alternative Identifier : SWMU# 3-001(b)
9. Site Description :  
Room S12 of the physics building, SM-40 (R01r). This room used to house a laser. No chemicals, oils, solvents, or anything hazardous is stored in this room (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : ESS-11
14. Site Type : Satellite storage area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments:

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Room S12 located in the physics building, SM-40 (R01r). The room used to house a laser. No chemicals, oils, solvents, or anything hazardous is stored in this room (R01s).

23. Information Resources

Reports

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-08-004-0040
7. Installation Identifier : TA-3-17-40f
8. Alternative Identifier : SWMU #3-001(b)
9. Site Description :

Room S130 of the physics building, SM-40 (R01r). The room is a machine shop and assembly area. Small amounts of oils and solvents are stored in the room. There was no evidence of any spills noted during the ER Program site recon visit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : ESS-11
14. Site Type : Satellite storage area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s

21. Chronological Events: Not identified

22. Comments:

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Room S130 located in the physics building, SM-40 (R01r). The room is a machine shop and assembly area. Small amounts of oils and solvents are stored in the room. There was no evidence of any leaks or spills noted during the ER Program site recon visit (R01s).

23. Information Resources

Reports

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-08-005-0040
7. Installation Identifier : TA-3-17-40g
8. Alternative Identifier : SWMU #3-001(b)
9. Site Description :  
Room S31 of the physics building, SM-40 (R01r). This room is an unloading area. Anything brought into the building is brought through here. There was no evidence of any spills or stains noted during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : ESS-11
14. Site Type : Satellite storage area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s
INORGANICS (NON SPECIFIC)	U	ERP	INORGNS	R01s

21. Chronological Events: Not identified

22. Comments:

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Room S31 located in the physics building, SM-40 (R01r). This room is an unloading area. Anything brought into the building comes through this room. There was no evidence of any stains or spills noted during the ER Program site recon visit (R01s).

23. Information Resources

Reports

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas0
6. Release Site Descriptor : TA-03-08-006-0040
7. Installation Identifier : TA-3-17-40h
8. Alternative Identifier : SWMU #3-001(b)
9. Site Description :  
Room W112 of the physics building, SM-40 (R01r). This room is a lab and houses a space simulation experiment. No chemicals, oils, solvents, or anything hazardous is stored in this room (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : ESS-8
14. Site Type : Satellite storage area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments:

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Room W112 located in the physics building, SM-40 (R01r). This room is a lab and houses a space simulation experiment. No chemicals, oils, solvents, or anything hazardous is stored in this room (R01s).

23. Information Resources

Reports

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-08-007-0040
7. Installation Identifier : TA-3-17-40i
8. Alternative Identifier : SWMU #3-001(b)
9. Site Description :  
Room W116 of the physics building SM-140 (R01r). This room is an office type lab. No chemicals, oils, solvents, or anything hazardous is stored in this room (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : ESS-9
14. Site Type : Satellite storage area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments:

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Room W116 located in the physics building, SM-40 (R01r). This room is an office type lab. No chemicals, oils, solvents, or anything hazardous is stored in this room (R01s).

23. Information Resources

Reports

- Reference R01r
  - Title : SWMU Report
  - Author : LANL
  - Date : 1988
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-08-008-0040
7. Installation Identifier : TA-3-17-40j
8. Alternative Identifier : SWMU #3-001(b)
9. Site Description :  
Room W122 of the physic building, SM-40 (R01r). This room is an office type lab. No chemicals, oils, solvents, or anything hazardous is stored in this room (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : ESS-9
14. Site Type : Satellite storage area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments:

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Room W122 located in the physics building, SM-40 (R01r). This room is an office type lab. No chemicals, oils, solvents, or anything hazardous is stored in this room (R01s).

23. Information Resources

#### Reports

- Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-08-009-0040
7. Installation Identifier : TA-3-17-40k
8. Alternative Identifier : SWMU #3-001(b)
9. Site Description :  
Room W123 of the physics building, SM-40 (R01r). This room is an office. No chemicals, oils, solvents, or anything hazardous is stored in this room (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : ESS-9
14. Site Type : Satellite storage area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments:

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Room W123 located in the physics building, SM-40 (R01r). This room is an office. No chemicals, oils, solvents, or anything hazardous is stored in this room (R01s).

23. Information Resources

#### Reports

- Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-08-010-0040
7. Installation Identifier : TA-3-17-40L
8. Alternative Identifier : SWMU #3-001(b)
9. Site Description :  
Room W130 of the physics building, SM-40 (R01r). This room is an office. No chemicals, oils, solvents, or anything hazardous is stored in this room (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : ESS-10
14. Site Type : Satellite storage area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments:

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Room W130 located in the physics building, SM-40 (R01r). This room is an office. No chemicals, oils, solvents, or anything hazardous is stored in this room (R01s).

23. Information Resources

Reports

\* Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-08-011-0040
7. Installation Identifier : TA-3-17-40N
8. Alternative Identifier : SWMU #3-001(b)
9. Site Description :  
Room S2 of the physics building, SM-40 (R01r). This room is an optical calibration lab. No chemicals, oils, solvents, or anything hazardous is stored in this room (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : ESS-8
14. Site Type : Satellite storage area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments:

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Room S2 located in the physics building, SM-40 (R01r). This room is an optical calibration lab. No chemicals, oils, solvents, or anything hazardous is stored in this room (R01s).

23. Information Resources

Reports

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-08-012-0031
7. Installation Identifier : TA-3-17-31
8. Alternative Identifier : Not identified
9. Site Description :  
Chemical Warehouse. The west half of SM-31 is run by MAT-14, the east half is run by the VWR (not LANL).  
SM-31 stores and distributes all chemicals (organic and inorganic) used at the lab (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : MAT-14, VWR
14. Site Type : Warehouse and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s
INORGANICS (NON SPECIFIC)	U	ERP	INORGNS	R01s

21. Chronological Events: Not identified

22. Comments:

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One memo discusses the storage of Styrene at the SM-31 warehouse (R01m). Another states that it is a borderline facility in terms of the need for a Safety Assessment Document due to the storage of 16 kg of natural uranium there (R02m). One report classifies the building as a low hazard category due to the chemicals stored there (R01r).

23. Information Resources

Memos

• Reference R01m

Title : Storage of Styrene and Other Monomers

Author : Earl Fullman

Date : 09/22/67

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R02m

Title : LASL Nuclear Facilities, DOE MC 0531 and Safety Assessment Documents

Author : H.H. Howard

Date : 06/20/78

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

• Reference R01r

Title : Safety Analysis and Review System for DOE Operations

Author : G.L. Voelz

Date : 07/21/79

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-10-001-0041
7. Installation Identifier : TA-3-17-41
8. Alternative Identifier : SWMU #3-001(o)
9. Site Description :

A satellite container storage area at SM-41 was identified in the SWMU Report (R01r). No container storage areas were observed at SM-41 during the ER Program site recon visit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 85+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : Not identified
14. Site Type : Satellite storage area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments:

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A satellite container storage area at SM-41, the South Mesa Fire Station, was identified in the SWMU report (R01r). No container storage area was identified at SM-41, either inside or outside, during the ER Program site recon visit (R01s).

23. Information Resources

#### Reports

- Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-10-OL/L-A/I-HW/RW (Landfills)
6. Release Site Descriptor : TA-03-10-002-0041
7. Installation Identifier : TA-3-10-41
8. Alternative Identifier : SWMU #3-009(b)
9. Site Description :  
Disturbed area with the land surface elevated above the natural terrain east of SM-41. Concrete and other building debris were noted during the ER Program site recon visit (R01r, R02r, and R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 85+00  
East coordinate : 20+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Abandoned debris area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments:

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A disturbed area with the land surface elevated above the natural terrain is located east of SM-41 (R01r and R02r). During the ER Program site recon visit, the fill was noted to consist mainly of soil; however, a significant amount of asphalt, concrete, PVC, rock, and general metal debris (cans and pipes) were noted as well (R01s).

23. Information Resources

#### Reports

• Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R02r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-10-003-0142
7. Installation Identifier : TA-3-17-142
8. Alternative Identifier : Not identified
9. Site Description :  
East storage yard of SM-142. CTR used to store transformers and capacitors in this yard. During the 6-7 years that they were stored here, leaks did occur. All PCB transformers and capacitors were removed in 1986 (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 75+00  
East coordinate : 0+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Abandoned storage area and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
PCB SCREENING	U	ERP	PCBSCREEN	R01s

21. Chronological Events: Not identified

22. Comments:

Fenced storage yard located on the east side of SM-142. The area was used by the CTR group in the past to store PCB-containing transformers and capacitors. The transformers and capacitors were stored in the yard for approximately 6 to 7 years. During this period of time, leaks did occur from the units stored in the yard. The yard was already asphalted when storage of the PCB units was active. The units that leaked onto the asphalt were dealt with by HSE-5 who was notified of any leaks which occurred. Upon notification, they would put the leaky unit into a 55 gallon drum lined with plastic, seal the drum, and leave the drum for future action. In 1986, all of the PCB transformers and capacitors, and the drums containing leaky units were removed from the storage yard. Where they were all taken is not known.

During the ER Program site recon visit, stains were noted on the asphalt in the storage yard. The PCB oil that leaked from the units is not believed to have escaped from the asphalt pad within the fenced storage area onto the surrounding soil (R01s).

## 23. Information Resources

### Reports

- Reference R01r

Title : Solid Radioactive Waste Disposal/Storage

Author : D. Enders

Date : 02/73

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/1-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-10-004-0218
7. Installation Identifier : TA-3-17-218
8. Alternative Identifier : SWMU #3-003(a)
9. Site Description :  
Storage area west of SM-218 (R01r & R02r). Transformers and capacitors (PCB in past), drums of epoxy, batteries, vacuum pumps (one labeled contaminated), and junk are stored in the area. A storm drain is present in the middle of the storage area (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational, Area is no longer used for storage of PCB containing units  
Current Owner/Operating Group : To Be Determined
14. Site Type : Storage area, storm drain, and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
PCB SCREENING	U	ERP	PCBSCREEN	R02r
OIL & GREASE	U	ERP	IOGGR	R02r
SULFURIC ACID	U	CAS	7664-93-9	R01s
RADIONUCLIDES	U	ERP	RAD	R01s
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s

21. Chronological Events: Not identified

22. Comments:

"Leaking unmarked drums (these have just been put there) on the south side of 406" were noted in one memo (R02m). Also six 55-gallon drums that were stored next to the PCB capacitor next to building 406 were noted, some of which were leaking (R03r). A retifier that wasn't labelled was leaking on the soil (R02m). Also, there was oil in a fenced hole in back of SM-218 (R04r).

Finally, SM-218 was classified as a low hazard category due to Magnetic Energy Storage (R05r).

Phase I description: " A great number of capacitors were stored outside near building TA-3-218; however, all the PCB-marked capacitors and many of the other capacitors have been removed from the area" (R01r).

During the ER Program site recon visit, non-PCB capacitors, old cans of epoxy, batteries, four vacuum pumps (one labeled contaminated), and junk were noted to be stored in the area west of SM-218. There were numerous large stains observed on the cement pad where storage is presently located. A storm drain is located in the middle of the storage area, and could easily receive any contaminants that might be contained or carried by runoff.

In the past, PCB transformers and capacitors were stored in this area. Leaks did occur throughout the years that the PCB-containing units were stored here. In approximately 1986, when all of the PCB contaminated units were removed from the area, all PCB contaminated and stained asphalt was removed from the area as well. How much asphalt and soil was removed is not known. No analysis or further cleanup of the area has been performed since that time.

During the ER Program site recon visit, a reading of approximately 250 counts/min was detected in the area around and in the storm drain grate located at the center of the storage area (R01s).

## 23. Information Resources

## Memos

- Reference R01m  
Title : Items observed in different areas  
Author : Betty Perkins  
Date : 02/18/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R02m  
Title : Preliminary Reconnaissance Findings - Transformers and Capacitors  
Author : Marji Martz  
Date : 03/06/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

## Reports

- Reference R04r  
Title : Initial Field Observation Report  
Author : Bob Gonzales  
Date : 02/20/85  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R05r  
Title : Safety Analysis and Review System for DOE Operations  
Author : G.L. Voelz  
Date : 07/21/79  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R03r  
Title : Initial Field Observation Report  
Author : B. Perkins  
Date : 02/20/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R01r  
Title : CEARP Phase I  
Author : DOE  
Date : 10/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R02r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-10-005-0253
7. Installation Identifier : TA-3-17-253
8. Alternative Identifier : SWMU #3-003(b)
9. Site Description :

Storage area for capacitors west of SM-253 (R01r and R02r). About 100 capacitors, all PCB, were stored here. Leaks did occur. Capacitors were removed from the area in 1985 (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Remnant soil contamination from past storage of PCB units

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
PCB SCREENING	U	ERP	PCBSCREEN	R02r
OIL & GREASE	U	ERP	IOGGR	R02r

21. Chronological Events: Not identified

22. Comments:

Numerous capacitors were noted to be stacked on top of each other near building 253, some of which were unlabelled and some of which were leaking. Also, capacitors were noted in the building 255 alley, one of which was leaking (R01m and R05r). Later, a leaking capacitor was again noted to be in the 255-253 alley (R02m). The capacitors used for the rail gun experiments in SM-253 contain PCBs (R04r).

SM-253 is classified as a low hazard category building; however, it is due to the Prototype Building, not the capacitors in the alley (R03r).

Phase I description: " A great number of capacitors were stored outside near building TA-3-253; however, all the PCB-marked capacitors and many of the other capacitors have been removed from the area" (R01r).

The storage area, located west of SM-253, was used for storage of PCB-contaminated capacitors. About 100 to 150 large capacitors were stored here at a time, all containing PCB's. The capacitors did leak throughout the time that they were stored in the area. In 1985, all of the capacitors were removed from the area. After the capacitors were removed, a large amount of stained and PCB-contaminated soil was removed from the former storage area. It is not known to what extent the cleanup of the area was carried to, but it is doubtful that it was complete (R01s).

## 23. Information Resources

## Memos

- Reference R01m  
Title : Preliminary Reconnaissance Findings - Transformers and Capacitors  
Author : Marji Martz  
Date : 03/06/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R02m  
Title : Items observed in different areas  
Author : Betty Perkins  
Date : 02/18/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R03m  
Title : Preliminary Reconnaissance Findings - Transformers and Capacitors  
Author : Marji Martz  
Date : 03/06/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

## Reports

- Reference R04r  
Title : CEARP Program - Draft Report  
Author : Joseph F. B. Szoo  
Date : 03/29/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R05r  
Title : Initial Field Observation Report  
Author : B. Perkins  
Date : 02/20/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R03r  
Title : Safety Analysis and Review System for DOE Operations  
Author : G.L. Voelz  
Date : 07/21/79  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R01r
  - Title : CEARP Phase I
  - Author : DOE
  - Date : 10/87
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R02r
  - Title : SWMU Report
  - Author : LANL
  - Date : 1988
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

- Reference R01s
  - Title : ER Program site reconnaissance visit
  - Author : Roy F. Weston
  - Date : 05/22/89-07/13/89
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-10-006-0282
7. Installation Identifier : TA-3-17-282a
8. Alternative Identifier : SWMU #3-003(c) & 3-001(q)
9. Site Description :

Storage area for capacitors, transformers, and drums on the east side of SM-282. Most of the transformers and capacitors stored here in the past contained PCB's (R01r and R02r). The area was not asphalted when the PCB units were stored here (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 85+00  
East coordinate : 35+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational, No longer used for storage of PCB containing units  
Current Owner/Operating Group : MEC-9
14. Site Type : Remnant soil contamination from past storage of PCB units

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
PCB SCREENING	U	ERP	PCBSCREEN	R02r
OIL & GREASE	U	ERP	IOGGR	R02r

21. Chronological Events: Not identified

## 22. Comments:

One memo states, "Charles Nylander... [was] aware of PCB transformers stored... in the yard by the radio building in TA-3. He indicated that he believes some of the PCB capacitors in the yard of the radio building are leaking. He feels that when these are removed the yard will need monitoring and cleanup...."

Phase I description: " The fenced area for building 282 formerly included a storage area for capacitors, transformers, and other electrical equipment. Some PCB-marked items were noted as leaking during the 1986 CEARP survey. After the initial survey, the PCB-containing capacitors were reported to have been shipped offsite for disposal. Several inches of soil throughout the entire storage site were removed in order to cleanup the area. Many capacitors were moved to a field behind Building 282. These were reported to be PCB free. There are also unmarked drums in this storage area" (R01r).

Hundreds of capacitors were stored in the fenced yard east of SM-282 in the past. Prior to 1986, the area inside of the fence was not paved, but was paved in 1986 when all of the capacitors were removed from the area. Of the large number of capacitors that were stored in the fenced area, only a small number were known to contain PCB's. Numerous leaks occurred throughout the years that the capacitors were stored at SM-282. How much PCB-contaminated oil was leaked onto the soil through the years of storage is not known for sure, but it is believed not to have been a significant amount. In 1986 when the PCB capacitors were removed from the fenced area, a large amount of soil was removed to decontaminate the PCB-contaminated area. The area was supposedly decontaminated to acceptable limits, but results of any analytical data supporting this has not been obtained. After decontamination, the east yard was asphalted. During the removal of the soil and construction in the east yard of SM-282, all remaining non-PCB capacitors were moved to an area located outside of the fenced area and south of SM-282, and stored there until construction was complete.

During the ER Program site recon visit, seventeen 55 gallon drums, approximately 200 non-PCB capacitors, and several old batteries were observed. 14 of the drums contained oil soaked parts and metal scrap, and 3 of the drums were empty, but had contained 190 proof ethanol. No leaks were noted from the drums.

The capacitors all had blue labels indicating <50 ppm PCB's, and most were stored on pallets. Oil has leaked from many of the units onto the asphalt. Leaks and stains were noted during the ER Program site recon visit. There is the possibility that runoff from the asphalt could carry oil onto the soil surrounding the yard, but no evidence of this was noted.

None of the batteries were noted to be leaking. The batteries in the yard eventually end up at salvage.

## 23. Information Resources

## Memos

## • Reference R01m

Title : PCB Transformers  
 Author : Betty Perkins  
 Date : 01/21/86

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

• Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R02r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW-RW (Storage Areas)
6. Release Site Descriptor : TA-03-10-007-0282
7. Installation Identifier : TA-3-17-282b
8. Alternative Identifier : SWMU #3-003(c)
9. Site Description :  
Area south of SM-282 where capacitors were stored (R01r and R02r) when the east storage area (282a) of SM-282 was being paved. No PCB capacitors were stored in this area; however, oils did leak onto the soil (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 85+00  
East coordinate : 35+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : MEC-9
14. Site Type : Remnant soil contamination from past storage

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
PCB SCREENING	U	ERP	PCBSCREEN	R02r
OIL & GREASE	U	ERP	IOGGR	R02r

21. Chronological Events: Not identified

22. Comments:

Storage area located outside the fence and south of SM-282. The area was used to store non-PCB capacitors when the east storage yard of SM-282 was being decontaminated and paved. No PCB capacitors were stored here, but the non-PCB capacitors that were stored here leaked onto the soil. After construction was completed in the east yard of SM-282, the capacitors were moved from the area south of the building to the fenced storage yard (R01s).

During the ER Program site recon visit, numerous stains were noted on the soils at the site of the former capacitor storage area. No soils have been removed from this area (R01s).

23. Information Resources

#### Reports

• Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R02r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-10-008-0287
7. Installation Identifier : TA-3-17-287
8. Alternative Identifier : SWMU #3-001(u)
9. Site Description :  
Former transformer, capacitor, and drum storage area south of SM-287 (R02r). Office trailers have been put in over the former storage area (R01r and R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 70+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Remnant soil contamination from past storage

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
PCB SCREENING	U	ERP	PCBSCREEN	R
OIL & GREASE	U	ERP	IOGGR	R
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R

21. Chronological Events: Not identified

22. Comments:

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There were barrels with undated labels and leaking capacitors at this site (R06r). The small capacitors may contain small amounts of PCBs. Other materials present include nylon, brass, and aluminum (R05r).

23. Information Resources

#### Reports

- Reference R05r

Title : CEARP Program - Draft Report

Author : Joseph F. B. Szoo

Date : 03/29/86

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R06r  
Title : Initial Field Observation Report  
Author : Betty Perkins  
Date : 02/20/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R03r  
Title : Safety Analysis and Review System for DOE Operations  
Author : G.L. Voelz  
Date : 07/21/79  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R04r  
Title : Solid Radioactive Waste Disposal/Storage  
Author : D. Enders  
Date : 02/01/73  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R01r  
Title : CEARP Phase I  
Author : DOE  
Date : 10/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R02r  
Title : SWMU Report  
Author : LANL  
Date : 1988  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

- Reference R01s  
Title : ER Program site reconnaissance visit  
Author : Roy F. Weston  
Date : 05/22/89-07/13/89  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-10-009-0316
7. Installation Identifier : TA-3-17-316
8. Alternative Identifier : SWMU #3-001(n)
9. Site Description :

Storage area for spent solvents and oils (R01r) outside on the southeast side of SM-316. Drums would sit for approx. 2 months before HSE-7 would pick them up for disposal. Area was used periodically for temporary storage (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 25+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : P-1
14. Site Type : Remnant soil contamination from past storage

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
WASTE OIL	U	ERP	WOIL	R01s
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-10-010-0000
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Former storage area, NE of SM-16 in the parking lot, for two 20,000 gallon siege tanks now located SW of SM-316. The tanks were stored in the area for about 2 months, and were empty (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 20+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
Both of the siege tanks were empty while they were stored on the parking lot NE of SM-16. No contamination to the environment could have resulted.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : P-1
14. Site Type : Abandoned storage area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-10-011-0016
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Former drum storage area just south of the east loading dock at SM-16. Nothing has been stored in the area since 1987. Stains were noted on the asphalt during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : P-9
14. Site Type : Abandoned drum storage area and any surface contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-10-012-0040
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Former drum storage area located outside of the south wing on the east side of SM-40. Drums of used oil were stored in the area for 5-6 years. Drums were removed in 1986. No stains were noted on the asphalt during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : CTR-4 (in the past)
14. Site Type : Abandoned drum storage area and any surface contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
WASTE OIL	U	ERP	WOIL	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-10-013-0040
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Drum and capacitor storage area south of SM-40. The capacitors were all yellow label, and the drums contained oil. Storage area was used on and off for about 10 years up until 1987. No stains were noted during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 60+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : CTR-4 (in the past)
14. Site Type : Abandoned storage area and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
WASTE OIL	U	ERP	WOIL	R01s
OIL & GREASE	U	ERP	IOGGR	R01s
PCB SCREENING	U	ERP	PCBSCREEN	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-10-014-0040
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :

An old scrubber removed from the printed wire board shop in SM-40 was stored outside on the asphalt west of the loading dock for SM-40. No stains were noted on the asphalt during ER Program site recon visit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : MEC-11
14. Site Type : Abandoned storage area and any surface contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

##### • Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-10-015-0041
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Debris area located just north of SM-41. Concrete debris was noted during the ER Program site recon visit. May be part of the old landfill west of SM-41 (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 85+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Abandoned debris area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-11-001-0016
7. Installation Identifier : TA-3-17-16
8. Alternative Identifier : SWMU #3-001(m)
9. Site Description :  
Drum and equipment storage area at SM-16. All contam. oil from operations in SM-16 is double barreled and stored outside for HSE-7 pickup. Drums of ethanol were stored in the same location. Equipment and shielding block are also stored outside (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : P-9
14. Site Type : Active storage area and any surface contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
WASTE OIL	U	ERP	WOIL	R01s
ETHANOL	U	CAS	925-93-9	R01s
TRITIUM	U	ERP	H-3	R01s
RADIONUCLIDES	U	ERP	RAD	R02r

21. Chronological Events: Not identified

22. Comments:

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One memo states the presence of "3 very oily, unmarked drums" on the south side of SM-16, and in the "backyard of SM-16... drums, etc. appear to be in this area" (R01m).

23. Information Resources

Memos

• Reference R01m

Title : Items observed in different areas

Author : Betty Perkins

Date : 02/18/86

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-11-002-0030
7. Installation Identifier : TA-3-17-30
8. Alternative Identifier : SWMU #3-001(e)
9. Site Description :

Waste vacuum pump oil from the vacuum pump repair shop in SM-30 is stored on the west side of the building (R01r). Drums of waste oil are stored on a grate over a concrete sump. Oils may be contaminated w/ tritium and other radionuclides (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 70+00  
East coordinate : 0+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : MEC-6
14. Site Type : Active drum storage area, and sump

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
WASTE OIL	U	ERP	WOIL	R01s
TRITIUM	U	ERP	H-3	R01s
RADIONUCLIDES	U	ERP	RAD	R01s

21. Chronological Events: Not identified

22. Comments:

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Presently, the bulk of the radioactively-contaminated oil comes from the Instrument Repair Shop at SM-30 (R01m). Waste oils may have radioactive or heavy metal contamination and are discharged to a tank behind SM-30. When the tank is full, the oil is pumped out and taken to TA-50 (R03r). Also of note is the fact that plutonium-239 is the major radioactive contaminant fixed on clothing from the Supply and Property Department (R02r).

23. Information Resources

Memos

\* Reference R01m

Title : Suggested plans for disposal of radioactively contaminated oil

Author : John Enders

Date : 10/18/68

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

- Reference R03r  
Title : CEARP Program - Draft Report  
Author : Joseph F. B. Szoo  
Date : 03/29/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R02r  
Title : Solid Radioactive Waste Disposal/Storage  
Author : D. Enders  
Date : 02/73  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R01r  
Title : SWMU Report  
Author : LANL  
Date : 1988  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

- Reference R01s  
Title : ER Program site reconnaissance visit  
Author : Roy F. Weston  
Date : 05/22/89-07/13/89  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : General Warehouse, SM-30
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-1-CA-A/I-HW/RW (Facilities)
6. Release Site Descriptor : TA-03-11-003-0030
7. Installation Identifier : TA-3-1-30b
8. Alternative Identifier : SWMU #3-040
9. Site Description :  
Photographic film is stored in a walk-in cooler in SM-30 (R01r). Minor amounts of photographic chemicals are also stored here. If a spill were to occur, no contamination to the environment would result (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 70+00  
East coordinate : 0+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
If a spill were to occur inside of the walk-in cooler, no release to the environment would result.
13. Current Operational Status : Operational  
Current Owner/Operating Group : MAT-14
14. Site Type : Active storage area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Reports

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-11-004-0040
7. Installation Identifier : TA-3-17-40a
8. Alternative Identifier : SWMU #3-001(b)
9. Site Description :  
Loading dock, north wing of SM-40 on the west side. Chemicals for the printed wire board shop are stored here (R01r). No stains or spills were noted during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : MEC-11
14. Site Type : Active storage area and any surface contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
SULFURIC ACID	U	CAS	7664-93-9	R01s
NITRIC ACID	U	CAS	7697-37-2	R01s
PHOSPHORIC ACID	U	CAS	7664-38-2	R01s
HYDROCHLORIC ACID	U	CAS	7647-01-0	R01s
FERRIC CHLORIDE	U	CAS	7705-08-0	R01s
LEAD - TIN FLUOROBORATES	U	ERP	PB-SN-FLRB	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage areas)
6. Release Site Descriptor : TA-03-11-005-0040
7. Installation Identifier : TA-3-17-40e
8. Alternative Identifier : SWMU #3-001(b)
9. Site Description :

Room S123 of the physics building, SM-40 (R01r). The room is a chemical lab and chemicals are stored in the room. No floor drains are present in the room. No spills were noted during the ER Program site recon visit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : ESS-11
14. Site Type : Active satellite storage area

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

- Reference R01r
  - Title : SWMU Report
  - Author : LANL
  - Date : 1988
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

- Reference R01s
  - Title : ER Program site reconnaissance visit
  - Author : Roy F. Weston
  - Date : 05/22/89-07/13/89
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW-RW (Storage Areas)
6. Release Site Descriptor : TA-03-11-006-0065
7. Installation Identifier : TA-3-17-65
8. Alternative Identifier : Not identified
9. Site Description :  
Source storage vault in SM-65. Sealed neutron and gamma sources are stored here. A floor drain is present in the vault, but is plugged. There have been no releases to the environment from this vault (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 30+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : HSE-1
14. Site Type : Active sealed source storage vault

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
RADIONUCLIDES	U	ERP	RAD	R01s

21. Chronological Events: Not identified

22. Comments:

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Old radioactive sources are infrequently discarded by H-1 from the Source Storage Building. The classifications for these wastes, and thus for the sources in the building, are TRU, U, FP/1A, or T (R03r). Radium is listed as a radioactive contaminant for the building (R01r). Due to the sealed sources in the building, SM-35 is listed as a low hazard category (R02r).

23. Information Resources

#### Reports

• Reference R01r

Title : Partial copy of unknown report on LANL radioactive contaminants

Author : Unknown

Date : Unknown

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R02r

Title : Safety Analysis and Review System for DOE Operations

Author : G.L. Voelz

Date : 07/21/79

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R03r

Title : Solid Radioactive Waste Disposal/Storage

Author : D. Enders

Date : 02/73

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/1-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-11-007-0105
7. Installation Identifier : TA-3-17-105,287
8. Alternative Identifier : SWMU #3-001(u)
9. Site Description :  
Storage areas around SM-287 and 105 (R02r). Drums and capacitors are stored in various locations around the buildings. Spills and stains were noted during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 75+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Active storage areas and any surface contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s
WASTE OIL	U	ERP	WOIL	R01s

21. Chronological Events: Not identified

22. Comments:

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During the initial CEARP field surveys, a storage area was found west of building 252. Transformers, capacitors, and unlabelled oil containers were found, some of which were leaking (R01m). A second look at the area found twenty unmarked capacitors, some of which may have leaked; two black-plastic-covered, leaky oil containers, from which oil had moved outward several feet; and one unmarked transformer that was no longer in use (R02r).

23. Information Resources

Memos

• Reference R01m

Title : Preliminary Reconnaissance Findings - Transformers and Capacitors

Author : Marji Martz

Date : 03/06/86

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

• Reference R02r

Title : Initial Field Observation Report

Author : B. Perkins

Date : 02/20/86

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-11-008-0374
7. Installation Identifier : TA-3-17-374
8. Alternative Identifier : Not identified
9. Site Description :  
Drum storage shed. The shed used to house an oil dispensing unit. The oil dispensing was removed and presently the shed contains only drums. Spills and stains were noted during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 0+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : MAT-14
14. Site Type : Drum storage area and any associated contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s
TRICHLOROETHENE	U	CAS	79-01-6	R01s
TOLUENE	U	CAS	108-88-3	R01s
2-BUTANONE	U	CAS	78-93-3	R01s
FREON	U	ERP	FREON	R01s
ETHYLENE GLYCOL	U	ERP	ETHGLYC	R01s
CHLOROTHENE	U	ERP	CHLOTH	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-11-009-0477
7. Installation Identifier : TA-3-17-477
8. Alternative Identifier : Not identified
9. Site Description :  
Small storage shed SW of SM-316. Contains scrap metal used in the shop in SM-316. No chemicals, oils, solvents, or anything hazardous is stored in this building (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 25+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
Nothing that could cause environmental contamination has been or is presently stored in the shed.
13. Current Operational Status : Operational  
Current Owner/Operating Group : P-1
14. Site Type : Active storage shed

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-11-010-1228
7. Installation Identifier : TA-3-17-1228
8. Alternative Identifier : Not identified
9. Site Description :  
Storage shed. The shed contains new capacitors (still boxed), power packs, and metal parts. No leaks or stains were noted during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 25+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
If a spill were to occur in the storage shed, no release of contamination to the environment could occur. The shed has a cement floor and no floor drains are present inside.
13. Current Operational Status : Operational  
Current Owner/Operating Group : P-1
14. Site Type : Active storage shed

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-11-011-1229
7. Installation Identifier : TA-3-17-1229
8. Alternative Identifier : Not identified
9. Site Description :  
Storage shed. The shed contains new capacitors (still boxed), power packs, and metal parts. No leaks or stains were noted during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 25+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
If a spill were to occur in the storage shed, no release of contamination to the environment could occur.  
The shed has a cement floor and no floor drains are present inside.
13. Current Operational Status : Operational  
Current Owner/Operating Group : P-1
14. Site Type : Active storage shed

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-11-012-0316
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Storage area located SW of SM-316. Shielding block and 4 drums were noted. 3 of the drums used to contain oil, but are now empty. 1 drum was full and contained solvent. No leaks or stains were noted during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 25+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : P-1
14. Site Type : Active storage area and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s
ORGANICS (NOW SPECIFIC)	U	ERP	ORGNS	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-11-013-0322
7. Installation Identifier : TA-3-17-322
8. Alternative Identifier : Not identified
9. Site Description :  
Drum storage areas. South side, west side, and NW corner of SM-322. Drums of kerosene and freon, a drum covered with a plastic garbage bag, and a drum labeled hazardous waste were present. Spills were noted during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Drum storage areas and any associated surface contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TOTAL PETROLEUM PRODUCTS	U	ERP	TPP	R01s
FREON	U	ERP	FREON	R01s
1,1,1-TRICHLOROETHANE	U	CAS	71-55-6	R01s
WASTE OIL	U	ERP	WOIL	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-11-014-0473
7. Installation Identifier : TA-3-17-473
8. Alternative Identifier : SWMU #3-001(i)
9. Site Description :  
Storage area west of SM-473 (R01r). Empty gas cans, metal scrap, roof fans, electric cable, wood, metal machining equipment, and compressors were noted to be stored here during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : ANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 60+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Storage area and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R02r

21. Chronological Events: Not identified

22. Comments:

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On 2/2/86, "a dump containing asphalt and bits and pieces of lab buildings (?) on the edge of Two Mile Canyon back of 460 (this is a very small dump)" was observed at TA-3 (R01m).

23. Information Resources

Memos

• Reference R01m

Title : Items observed in different areas

Author : Betty Perkins

Date : 02/18/86

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-11-015-0316
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
HSE-5 storage area located west of SM-316. Drums were noted to be stored in the SE corner of the fenced area. What the drums contain is not known. No leaks were noted during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 20+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : HSE-5
14. Site Type : Drum storage area and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

##### • Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM

2. Installation : LOS ALAMOS NATIONAL LABORATORY

3. Site Name : Not identified

4. Task Number : AL-LA-021

5. Phase 1 Heading : TA-3-10-OL/L-A/I-HW/RW (Landfills)

6. Release Site Descriptor : TA-03-12-001-0000

7. Installation Identifier : TA-3-10-1

8. Alternative Identifier : SWMU #3-009(g)

9. Site Description :

A large soil fill area located south of the Two Mile Canyon bridge was identified in the Phase I and SWMU report (R01r and R02r). The area was not located during the ER Program site recon visit (R01s).

10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet

The site has not been surveyed

Coordinates : Not identified

Elevation : Not identified

11. Program Phase : RI Scoping

12. Program Phase Rationale :

Phase I and RI Scoping activities indicate that this site should be investigated further.

13. Current Operational Status : Not Operational, Unknown

Current Owner/Operating Group : Not identified

14. Site Type : Landfill

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

- Reference R01r
  - Title : CEARP Phase I
  - Author : DOE
  - Date : 10/87
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R02r
  - Title : SWMU Report
  - Author : LANL
  - Date : 1988
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

- Reference R01s
  - Title : ER Program site reconnaissance visit
  - Author : Roy F. Weston
  - Date : 05/22/89-07/13/89
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-10-DL/O-A/I-HW/RW (Landfills)
6. Release Site Descriptor : TA-03-12-002-0000
7. Installation Identifier : TA-3-10-40
8. Alternative Identifier : SWMU #3-009(d)
9. Site Description :  
Fill area located along the north rim of Two Mile Canyon between SM-40 and SM-16 (R01r and R02r). Concrete and other building material was noted during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 60+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Abandoned landfill

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Reports

• Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R02r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-10-OL/L-A/I-HW/RW (Landfills)
6. Release Site Descriptor : TA-03-12-003-0016
7. Installation Identifier : TA-3-10-16
8. Alternative Identifier : SWMU #3-009(f)
9. Site Description :

A potential landfill north of SM-16 was identified in the Phase I and SWMU report (R01r and R02r). There was no evidence of a landfill noted during the ER Program site recon visit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :

Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Abandoned Landfill

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Reports

• Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R02r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-10-OL/L-A/I-HW/RW (Landfills)
6. Release Site Descriptor : TA-03-12-004-0016
7. Installation Identifier : TA-3-10-142
8. Alternative Identifier : Not identified
9. Site Description :

A soil fill area west of SM-142 was identified in the Phase I. An old water tank, pieces of wire, and other debris are reported to comprise the fill (R01r). The fill area was not identified during the ER Program site recon visit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :

Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : Not identified
14. Site Type : Abandoned landfill

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Reports

- Reference R01r
  - Title : CEARP Phase I
  - Author : DOE
  - Date : 10/87
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

- Reference R01s
  - Title : ER Program site reconnaissance visit
  - Author : Roy F. Weston
  - Date : 05/22/89-07/13/89
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-10-OL/L-A/I-HW/RW (Landfills)
6. Release Site Descriptor : TA-03-12-005-0041
7. Installation Identifier : TA-3-10-5
8. Alternative Identifier : Not identified
9. Site Description :  
Landfill west of the South Mesa fire station, SM-41 (R01r). A parking lot now occupies the old landfill area. This landfill may contain debris from the decontamination and decommissioning of the original South Mesa site (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 85+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Abandoned landfill

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TO BE DETERMINED	U	ERP	TBD	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

- Reference R01r
  - Title : CEARP Phase I
  - Author : DOE
  - Date : 10/87
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

- Reference R01s
  - Title : ER Program site reconnaissance visit
  - Author : Roy F. Weston
  - Date : 05/22/89-07/13/89
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-001-0081
7. Installation Identifier : TA-3-19-81
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer located NE of fire station, SM-41. Found on the Pan Am non-PCB transformer inventory list. No leaks were observed during ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 85+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the cement pad below the transformer or on the soil around it during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-002-0122
7. Installation Identifier : TA-3-19-122
8. Alternative Identifier : Not identified
9. Site Description :

Two transformers located on the south end of SM-105. One transformer is blue label and on the Pan Am non-PCB inventory list; the other is yellow label. No leaks were observed during ER Program site recon visit from either unit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 75+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :

No stains were noted on the cement pad below the transformers or on the soil around them during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-003-0190
7. Installation Identifier : TA-3-19-190
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer located NW of SM-16. Yellow label, >50 ppm <500 ppm PCB's. No leaks were observed during ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the cement pad below the transformer or on the soil around it during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am or P-9
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-004-0229
7. Installation Identifier : TA-3-19-229
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer located west of SM-218. Yellow label, >50 ppm <500 ppm PCB's. No leaks were observed during ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the cement pad below the transformer or on the soil around it during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments:

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The SM-229 transformers were included on the list of those leaking PCB-contaminated oil (R02m).  
These transformers were repaired on 7/11/86 (R01m).

23. Information Resources

Memos

• Reference R01m

Title : PCB Transformer Leak Inspection and Repair

Author : Michael Bailey

Date : 08/01/86

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R02m

Title : Leaking PCB Transformers

Author : Unknown

Date : 06/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

• Reference R01r

Title : PCB Transformer Leak Record

Author : Michael Bailey

Date : 07/09/86-07/15/86

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-005-0269
7. Installation Identifier : TA-3-19-269
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer located NW of water tank, 3-270, east of TA-59. No label, not found on Pan Am non-PCB inventory list. No leaks were observed during ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 45+00  
East coordinate : 45+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the cement pad below the transformer or on the soil around it during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-006-0290
7. Installation Identifier : TA-3-19-290
8. Alternative Identifier : Not identified
9. Site Description :  
Four transformers located west of SM-287. All are yellow label, >50 ppm <500 ppm PCBs. No leaks were observed during ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LAML Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 70+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the cement pad below the transformers or on the soil around them during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Active transformers

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

+ Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-007-0298
7. Installation Identifier : TA-3-19-298
8. Alternative Identifier : Not identified
9. Site Description :  
Pole mounted transformer located NW of SM-142. Blue label, <50 ppm PCBs (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 75+00  
East coordinate : 0+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the soil below the transformer or on the transformer itself during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active pole-mounted transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments:

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The is mention of the removal of PCB transformers that were south of building 298. They had PCB concentrations greater than 500 ppm (R01r).

23. Information Resources

Memos

- Reference R01m
  - Title : Removal of PCB Transformers from Service, 1.5-DD-006
  - Author : Unknown
  - Date : Unknown
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

- Reference R01r
  - Title : Data Deliverable Transmittal
  - Author : J. J. Lopez
  - Date : 01/27/87
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-008-0303
7. Installation Identifier : TA-3-19-303
8. Alternative Identifier : Not identified
9. Site Description :  
Pole mounted transformer north of SM-65. Found on the Pan Am non-PCB transformer inventory list. Labeled "no PCBs" (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 30+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the soil below the transformer or on the transformer itself during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active pole-mounted transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-009-0346
7. Installation Identifier : TA-3-19-346
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer located east of SM-316. Found on the Pan Am non-PCB transformer inventory list. Blue label, <50 ppm PCBs. Appeared to be leaking during ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 25+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am or P-1
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

##### • Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-010-1187
7. Installation Identifier : TA-3-19-1187
8. Alternative Identifier : Not identified
9. Site Description :  
Pole mounted transformer located NE of SM-316. Found on the Pan Am non-PCB transformer inventory list.  
Blue label, <50 ppm PCBs (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 30+00  
Elevation : Not identified
11. Program Phase : Not identified
12. Program Phase Rationale :  
No stains were noted on the soil below the transformer or on the transformer itself during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active pole-mounted transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

|

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-011-1202
7. Installation Identifier : TA-3-19-1202
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer located SE of SM-494. Found on the Pan Am non-PCB transformer inventory list. No leaks were observed during ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the cement pad below the transformer or on the soil around it during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-012-1270
7. Installation Identifier : TA-3-19-1270
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer located on the east side of SM-253. Found on the Pan Am non-PCB transformer inventory list. No leaks were observed during ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the cement pad below the transformer or on the soil around it during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-013-1479
7. Installation Identifier : TA-3-19-1479
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer located west of SM-463. Found on the Pan Am non-PCB transformer inventory list. No leaks were observed during ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 70+00  
East coordinate : 0+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the cement pad below the transformer or on the soil around it during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-014-1480
7. Installation Identifier : TA-3-19-1480
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer located on the south side of SM-282. Found on the Pan Am non-PCB transformer inventory list.  
No leaks were observed during ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 85+00  
East coordinate : 35+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the cement pad below the transformer or on the soil around it during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-015-1611
7. Installation Identifier : TA-3-19-1611
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer located south of SM-1613. Transformer in this location is numbered 3-1851. Blue label. There seems to be a problem in numbering, or transformer 3-1611 was removed and replaced. No leaks were noted during the ER Program site recon visit (R01s)
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 70+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
PCB SCREENING	U	ERP	PCBSCREEN	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-13-016-1626
7. Installation Identifier : TA-3-19-1626
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer substation located on the NW corner of SM-1617. No leaks were noted during the Er Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 75+00  
East coordinate : 20+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No leaks were noted on the soil below the substation during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active transformer substation

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-13-017-0040
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :

There are four transformers located in the basement of SM-40 in rooms N8 and E4, and two in room N18. All are yellow label, >50 ppm <500 ppm PCB's. Leaks have occurred in the past, but none were observed during the ER Program site recon visit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

RI Scoping activities indicate that these sites should be investigated further as part of a recon sampling plan.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am or ENG-5
14. Site Type : Active transformers

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
PCB SCREENING	U	ERP	PCBSCREEN	R01s

21. Chronological Events: Not identified

22. Comments:

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At one time the transformers in SM-40 were classified as priority 1 (worst physical condition relative to other leaking transformers), and were replaced (R02m, R03m, and R04m).

PCB contamination also resulted when two ballasts from the light fixtures were removed by electricians. About 1 pint of 80% PCB oil was spilled (R01m).

23. Information Resources

Memos

• Reference R01m

Title : PCB Release at SM-40, Rm S104

Author : Michael R. Alexander

Date : 03/10/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R02m

Title : Replacement of Transformers Containing PCB's

Author : M. G. Bailey

Date : 08/27/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R03m

Title : PCB Transformers

Author : Tom Hansen

Date : 08/20/87

Location: ER Program Document Control Files for TA-55, Roy F. Weston, Albuquerque, NM.

• Reference R04m

Title : Leaking PCB Transformers

Author : No author

Date : 06/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM

2. Installation : LOS ALAMOS NATIONAL LABORATORY

3. Site Name : Not identified

4. Task Number : AL-LA-021

5. Phase 1 Heading : None defined

6. Release Site Descriptor : TA-03-13-018-0016

7. Installation Identifier : Not identified

8. Alternative Identifier : Not identified

9. Site Description :

Two PCB transformers located in the basement of SM-16 in room 70 were removed in January 1988. The transformers did leak in the past, but the leaks were contained and did not enter any floor drains. No stains were noted on the floor (R01s).

10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet

The site has not been surveyed; coordinates are estimated from available maps and drawings

North coordinate : 50+00

East coordinate : 40+00

Elevation : Not identified

11. Program Phase : Recon Sampling

12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further as part of a recon sampling plan.

13. Current Operational Status : Not Operational, Removed

Current Owner/Operating Group : Pan Am or P-9

14. Site Type : Any remnant contamination from removed transformers

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
PCB SCREENING	U	ERP	PCBSCREEN	R

21. Chronological Events: Not identified

22. Comments:

To PCB-contaminated transformers were removed from the basement of TA-3-16 (room 70) on 1/28 and 1/29/89. Both transformers had 207 gallons of Askarel fluid in them (R01m). The transformers did leak in the past, but the PCB-contaminated oils were contained to the inside of the room. No oils are believed to have entered the floor drains in the room.

No stains were noted on the concrete floor around the former location of the transformers during the ER Program site recon visit.

23. Information Resources

Memos

• Reference R01m

Title : HSE Procedures for PCB Transformer Removal at TA-3, SM-16

Author : Michael Bailey

Date : 01/23/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R02m  
Title : Transportation of PCB Transformers from SM-16  
Author : Tom Hansen  
Date : 01/26/89  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R03m  
Title : PCB Filled Transformer Replacements  
Author : Stan Nalley  
Date : 07/27/88  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R04m  
Title : Replacement of Transformer Containing PCB's  
Author : Michael Bailey  
Date : 08/27/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R05m  
Title : PCB Transformers  
Author : Tom Hansen  
Date : 08/20/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R06m  
Title : Leaking PCB Transformers  
Author : No Author  
Date : 06/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R07m  
Title : Status of DOE Environmental Survey Findings; SM-16, 29, 40, and 70  
Author : Tom Hansen  
Date : 05/18/88  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R08m  
Title : Survey Team Debriefing Notes  
Author : No Author  
Date : 04/08/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R09m  
Title : Status of Daily PCB Transformer Inspections and Leak Repair  
Author : Michael Bailey  
Date : 02/02/89  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R10m  
Title : Repair of Remaining Leaking PCB Transformers  
Author : Tom Hansen  
Date : 10/12/88  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R11m  
Title : Status of Daily PCB Transformer Inspections and Leak Repair  
Author : Michael Bailey  
Date : 10/04/88  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R12m  
Title : Status of PCB Transformer Inspection  
Author : Halley  
Date : Unknown  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

- Reference R01r  
Title : DOE Facility Assessment Report  
Author : DOE  
Date : 1988  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R02r  
Title : PCB Transformer Leak Record  
Author : Michael Bailey  
Date : 07/09/86-07/15/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

- Reference R01s  
Title : ER Program site reconnaissance visit  
Author : Roy F. Weston  
Date : 05/22/89-07/13/89  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-13-019-0000
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Transformers located in the middle of the jogging track at the Wellness Center. The transformers were not observed during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 75+00  
East coordinate : 0+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Transformers and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
PCB SCREENING	U	ERP	PCBSCREEN	R

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Memos

• Reference R01m

Title : Initial Field Observation Report

Author : Betty Perkins

Date : 02/27/86

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

• Reference R01r

Title : Preliminary Reconnaissance Findings- Transformers and Capacitors

Author : Marji Martz

Date : 03/06/86

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Physics building, SM-40
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-1-CA-A/I-HW/RW (Facilities)
6. Release Site Descriptor : TA-03-14-001-0040
7. Installation Identifier : TA-3-1-40
8. Alternative Identifier : Not identified
9. Site Description :  
Physics building, SM-40, in which beryllium work was carried out. The beryllium was vented directly to the atmosphere. No off-gas cleanup was performed (R01r).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 5+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Possible contamination from stack releases

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
BERYLLIUM, TOTAL	U	CAS	7440-41-7	R01r

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

- Reference R01r
  - Title : CEARP Phase I
  - Author : DOE
  - Date : 10/87
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

- Reference R01s
  - Title : ER Program site reconnaissance visit
  - Author : Roy F. Weston
  - Date : 05/22/89-07/13/89
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-14-002-0016
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Ventilation hoods and stacks serving operations in SM-16. Contaminated vacuum pump parts, and plumbing pumps are work on. There is no treatment or filters in the exhaust system so H-3 and other contaminants are vented directly to the atmosphere (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : P-9
14. Site Type : Possible contamination from stack releases

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TRITIUM	U	ERP	H-3	R01r
CARBON-14	U	ERP	C-14	R01r
SULFUR HEXAFLUORIDE	U	CAS	2551-62-4	R01r

21. Chronological Events: Not identified

22. Comments:

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Room 66 of building 16 was noted to house a series of neutron beam tubes, so activation products may be possible contaminants (R01m).

23. Information Resources

Memos

• Reference R01m

Title : Industrial Hygiene Survey, SM-16

Author : Gilbert H. Ferran

Date : 01/15/68

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

• Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-3-CA/UST/SST-A/I-PP (Fuel storage tanks)
6. Release Site Descriptor : TA-03-19-001-0000
7. Installation Identifier : TA-3-3-20
8. Alternative Identifier : Not identified
9. Site Description :

Petroleum storage tank or some other type of tank, identified in the Phase I, located between the Van de Graff (SM-16) complex and the road (R01r). The tank was not located during the ER Program site recon visit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed  
Coordinates : Not identified  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :

Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational, Unknown  
Current Owner/Operating Group : To Be Determined
14. Site Type : Underground storage tank and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TOTAL PETROLEUM PRODUCTS	U	ERP	TPP	R01r

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

\* Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

\* Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-3-CA/UST/SST-A/I-PP (Fuel storage tanks)
6. Release Site Descriptor : TA-03-19-002-0105
7. Installation Identifier : TA-3-3-107,108 and 109
8. Alternative Identifier : Not identified
9. Site Description :

Three underground oil tanks associated with the magnetic fusion building, SM-105. All three tanks were filled with sand and abandoned in place in 1978. An equipment room was built on top of the tanks after they were abandoned (R01r and R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 75+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :

Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational, Inactive, but still in place  
Current Owner/Operating Group : To Be Determined
14. Site Type : Underground storage tank and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

• Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-3-CA/UST/SST-A/I-PP (Fuel storage tanks)
6. Release Site Descriptor : TA-03-19-003-0191
7. Installation Identifier : TA-3-3-191
8. Alternative Identifier : Not identified
9. Site Description :  
Underground gasoline tank (R01r) serving an emergency generator in SM-16 Tank contains leaded gasoline.  
No spills were noted around the fill pipe during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am or P-9
14. Site Type : Underground storage tank and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TOTAL PETROLEUM PRODUCTS	U	ERP	TPP	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

• Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-20-CA-A/I-HW/RW (Gas and Grease traps)
6. Release Site Descriptor : TA-03-19-004-0261
7. Installation Identifier : TA-3-20-261
8. Alternative Identifier : SWMU #3-046
9. Site Description :  
1,500 gallon grease tank (trap) serving the kitchen in SM-261 (R01r). The tank is pumped out weekly. The tank receives only grease (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 75+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Underground grease tank and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R02r

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-20-CA-A/I-HW/RW (Gas and Grease traps)
6. Release Site Descriptor : TA-03-19-005-0668
7. Installation Identifier : TA-3-20-668
8. Alternative Identifier : SWMU #3-046
9. Site Description :  
Manhole/grease trap located on the east side of SM-100 (R01r). Still present, but not in use. Used to receive grease from the kitchen in SM-100 (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 70+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational, Inactive, but still in place  
Current Owner/Operating Group : To Be Determined
14. Site Type : Underground grease tank and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R02r

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Acid neutralizing & pumping bldg SM-700
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-1-CA-A/I-HW/RW (Facilities)
6. Release Site Descriptor : TA-03-20-001-0700
7. Installation Identifier : TA-3-1-700
8. Alternative Identifier : SWMU #3-038(a)
9. Site Description :  
Acid neutralizing and pumping building, removed in 1982 (R01r). Decontamination and decommissioning was performed (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 90+00  
East coordinate : 20+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
Decontamination and decommissioning has been carried out to acceptable limits.
13. Current Operational Status : Not Operational, Removed  
Current Owner/Operating Group : To Be Determined
14. Site Type : Remnant contamination from removed building

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments:

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SM-700 was reported to have been contaminated with TRU, uranium, fission products, and induced activity, and was labelled as a moderate level hazard (R02r). Soil samples from 1976 found Pu-239 and gross alpha contamination (R01m and R03m). There was the possibility that the sewer line had been damaged while working on excavation (R01m). The vicinity showed gross alpha contamination (R02m).

23. Information Resources

Memos

• Reference R01m

Title : H-8 Soil Sampling Results, SM-700

Author : John Purson

Date : 10/06/76

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R02m

Title : Soil Sampling Results, SM-700

Author : A. K. Stoker

Date : 07/14/76

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R03m

Title : Soil Sampling Results in vicinity of SM-700  
Author : A. K. Stoker  
Date : 04/07/76  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

• Reference R02r

Title : Partial copy of unknown report on LANL radioactive contaminants  
Author : Unknown  
Date : Unknown  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R01r

Title : SWMU Report  
Author : LANL  
Date : 1988  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit  
Author : Roy F. Weston  
Date : 05/22/89-07/13/89  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-5-CA/S/UST/SST-A/I-HW/RW (Chem waste sumps & tanks)
6. Release Site Descriptor : TA-03-20-002-0738
7. Installation Identifier : TA-3-5-738
8. Alternative Identifier : SWMU #3-038(b)
9. Site Description :  
Acid retention tank used to neutralize mixed wastes, removed in 1982 (R01r). Associated with acid neutralizing and pumping building, 3-700. Decontamination and decommissioning was performed (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 90+00  
East coordinate : 20+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
Decontamination and decommissioning has been carried out to acceptable limits.
13. Current Operational Status : Not Operational, Removed  
Current Owner/Operating Group : To Be Determined
14. Site Type : Remnant contamination from removed acid neutralizing tank

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

- Reference R01r  
Title : SWMU Report  
Author : LANL  
Date : 1988  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

- Reference R01s  
Title : ER Program site reconnaissance visit  
Author : Roy F. Weston  
Date : 05/22/89-07/13/89  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-03-20-003-0019
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Former location of cooling tower, 3-19, removed in 1966 (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational, Removed  
Current Owner/Operating Group : Zia or P-9
14. Site Type : Remnant contamination from removed cooling tower
15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
CHROMIUM, TOTAL	U	CAS	7440-47-3	R01s
CHROMIUM VI	U	ERP	ICR6	R01s

21. Chronological Events: Not identified

22. Comments:

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The following is a list of chemicals that were used in colling towers (R01m): citric acid, malic acid, acetic acid, ethylenediaminetetraacetic acid (EDTA), N-hydroxyethylethylenediaminetriacetic acid (HEEDTA), nitrilotriacetic acid (NTA), diethylenetriamine-t-pentaacetic acid (DTPA), nitrilotri(methyene phosphonic) acid, 1-hydroxyethylidene-1,1-diphosphonic acid, poylacrylates, sodium pentachlorophenate, sodium salt of a slow chlorine release material, alkyl dimethyl benzl ammonium chloride, amine based material, and food grade phosphoric acid.

23. Information Resources

Memos

• Reference R01m

Title : Effluent From Plant Cooling Towers

Author : E. L. Miller

Date : 07/30/71

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-2-CA/ST-A/I-HW/RW (SEPTIC SYSTEMS)
6. Release Site Descriptor : TA-03-20-004-0015
7. Installation Identifier : TA-3-2-15
8. Alternative Identifier : SWMU #3-019
9. Site Description :

Septic tank that served the Van de Graff Complex, SM-16, removed in 1964. After removal the building was tied into the TA-3 sanitary sewer system. The tank may have received minor amounts of contamination (R01r and R07r).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational, Removed  
Current Owner/Operating Group : To Be Determined
14. Site Type : Remnant soil contamination from removed septic tank

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
SILVER, TOTAL	U	CAS	7440-22-4	R02r
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R02r
TRITIUM	U	ERP	H-3	R02r
RADIONUCLIDES	U	ERP	RAD	R02r

21. Chronological Events: Not identified

## 22. Comments:

Phase I description: " Septic tank 3-15 served the Van de Graff complex according to ENG-R115. The Van de Graff facility included a dark room and laboratory area where solvents and chemicals were handled. Small quantities of radionuclides, including tritium, may be present in liquids placed in industrial drains. It would be assumed that in the early history of the complex, the industrial drains discharged to the septic tank. According to ENG-R115, by the mid 1950's this tank was no longer in use; ENG-R5103 indicates removal in 1964. However, ENG-E378 shows the septic tank as being tied into the industrial waste lines, according to a 1975 LASL report...."

SWMU report description: " Tank 3-15 served the Van de Graff facility. The facility included a dark room and laboratory area where solvents and chemicals were handled. Small quantities of radionuclides, including tritium, may be present in liquids placed in the industrial drains; the drains probably discharged to this tank in previous years. It was built in 1950, was made of concrete, and had the dimensions of 4'x 9'x 5'. It is believed to have been abandoned in 1951 when the sewer line was completed. It was removed in 1964 according to engineering drawings; however, another report indicates that the tank was included as a component of a waste line."

No further information was gained on the status of the septic tank during the ER Program site recon visit (R01s).

In a memo from 10/19/54, it was noted that the darkroom was being used as a laboratory. Also, there was large-scale cleaning operations that were using TCE. Finally, there was an accelerator in this building, so activation products may be possible (R01m).

Industrial hygiene surveys conducted in this building reveals the use of TCE, MEK, acetone, "thinner 1500, tygon thinner TP91," acid dip, kerosene, rust remover, carbon tetrachloride, tritium, mercury, toluene, ethanol, "Dupont RC-80C curing agent, epoxy resin 46950," methyl chloroform, amyl acetate, "SR-82 silicone resin," Freon TF, benzene, 2,2-dimethyl butane, boron trifluoride, ethylene chloride, chloroform, "EpoxyLite Resin No. 69, Nuclear Enterprise 561 catalyst and reflector point resin, spray adhesive 77, Eccobond epoxy," and radioactive materials. Use of a neutron beam is also mentioned as being in the sub-basement (R02m, R04m, and R05m). Evidentially they also had soldering benches in this building (R02m).

The Van de Graff is listed as having tritium and C-14 as contaminants (R04r). SM-16 also has tritium and "IA" (probably stands for induced activity) listed as radioactive contaminants (R02r). Tritium and the Van de Graff are responsible for SM-16 rating a moderate hazard category ranking (R03r).

Group P-9 is reported as infrequently generating solid radioactive waste consisting of radioactive foils or lab equipment contaminated with tritium (R06r).

## 23. Information Resources

## Memos

## • Reference R01m

Title : Industrial Hygiene Survey of P-Division

Author : H. S. Jordan

Date : 10/19/54

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R02m  
Title : Industrial Hygiene Survey of P-9 Facilities  
Author : Gilbert H. Ferran  
Date : 09/23/64  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R03m  
Title : Industrial Hygiene Survey Group H-5 Plan Approval  
Author : J. D. DeField  
Date : 04/27/64  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R04m  
Title : Industrial Hygiene Survey, SM-16  
Author : G. H. Ferran  
Date : 01/15/68  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R05m  
Title : Preliminary Survey of P-9 Facilities  
Author : Fredrick M. Toca  
Date : 01/09/69  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R06m  
Title : TA-59 notes  
Author : Jay Wenzel  
Date : 01/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

## Reports

- Reference R07r  
Title : SWMU Report  
Author : LANL  
Date : 1988  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R01r  
Title : CEARP Phase I  
Author : DOE  
Date : 10/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
- Reference R04r  
Title : CEARP Program - Draft Report  
Author : Joseph F. B. Szoo  
Date : 03/29/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R02r  
Title : Partial copy of unknown report on LANL radioactive contaminants  
Author : Unknown  
Date : Unknown  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R03r  
Title : Safety Analysis and Review System for DOE Operations  
Author : G.L. Voelz  
Date : 07/21/79  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R05r  
Title : H-Division Forecast, FY 1966 and FY 1967  
Author : T. L. Shipman  
Date : 05/11/65  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R06r  
Title : Solid Radioactive Waste Disposal / Storage  
Author : D. Enders  
Date : 02/01/73  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

- Reference R01s  
Title : ER Program site reconnaissance visit  
Author : Roy F. Weston  
Date : 05/22/89-07/13/89  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Analytical Data

- Reference R01a  
Title : Sampling Data Sheet #0-166, Analysis Request Sheets 4409 and 5010  
Author : Ortiz and Seitz  
Date : 03/21/85  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-2-CA/ST-A/I-HW/RW (SEPTIC SYSTEMS)
6. Release Site Descriptor : TA-03-20-005-0045
7. Installation Identifier : TA-3-2-45
8. Alternative Identifier : SWMU #3-018
9. Site Description :  
Cesspool that served the Van de Graff Complex, SM-16, located slightly NW of septic tank 3-15, removed in 1964 (R01r). The cesspool is believed to have received spent laboratory wastes and possibly mixed wastes from SM-16 (R07r).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 15+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational, Removed  
Current Owner/Operating Group : To Be Determined
14. Site Type : Remnant soil contamination from removed cesspool

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
SILVER, TOTAL	U	CAS	7440-22-4	R02r
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R02r
TRITIUM	U	ERP	H-3	R02r
RADIONUCLIDES	U	ERP	RAD	R02r

21. Chronological Events: Not identified

## 22. Comments:

Phase I description: " According to ENG-R115, the Van de Graff also had a cesspool, TA-3-45, located slightly northwest of the septic tank. Details on this are lacking, but it probably received sanitary waste. ENG-R5103 notes that it was removed in 1964."

SWMU report description: " This cesspool was constructed of concrete block and is 4' in diameter. The height is unknown. It was abandoned and filled with earth in 1964."

No further information was gathered on the status of the cesspool during the ER Program site recon visit.

In a memo from 10/19/54, it was noted that the darkroom was being used as a laboratory. Also, there was large-scale cleaning operations that were using TCE. Finally, there was an accelerator in this building, so activation products may be possible (R01m).

Industrial hygiene surveys conducted in this building reveals the use of TCE, MEK, acetone, "thinner 1500, tygon thinner TP91," acid dip, kerosene, rust remover, carbon tetrachloride, tritium, mercury, toluene, ethanol, "Dupont RC-80C curing agent, epoxy resin 46950," methyl chloroform, amyl acetate, "SR-82 silicone resin," Freon TF, benzene, 2,2-dimethyl butane, boron trifluoride, ethylene chloride, chloroform, "EpoxyLite Resin No. 69, Nuclear Enterprise 561 catalyst and reflector point resin, spray adhesive 77, Eccobond epoxy," and radioactive materials. Use of a neutron beam is also mentioned as being in the sub-basement (R02m, R04m, and R05m). Evidentially they also had soldering benches in this building (R02m).

The Van de Graff is listed as having tritium and C-14 as contaminants (R04r). Sm-16 also has tritium and "IA" (probably stands for induced activity) listed as radioactive contaminants (R02r). Tritium and the Van de Graff are responsible for SM-16 rating a moderate hazard category ranking (R03r).

Group P-9 is reported as infrequently generating solid radioactive waste consisting of radioactive foils or lab equipment contaminated with tritium (R06r).

## 23. Information Resources

## Memos

## + Reference R01m

Title : Industrial Hygiene Survey of P-Division

Author : H. S. Jordan

Date : 10/19/54

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

## • Reference R02m

Title : Industrial Hygiene Survey of P-9 Facilities

Author : Gilbert M. Ferran

Date : 09/23/64

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

## • Reference R03m

Title : Industrial Hygiene Survey Group H-5 Plan Approval

Author : J. D. DeField

Date : 04/27/64

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R04m  
Title : Industrial Hygiene Survey, SM-16  
Author : G. H. Ferran  
Date : 01/15/68  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R05m  
Title : Preliminary Survey of P-9 Facilities  
Author : Fredrick M. Toca  
Date : 01/09/69  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R06m  
Title : TA-59 notes  
Author : Jay Wenzel  
Date : 01/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

## Reports

- Reference R07r  
Title : SWMU Report  
Author : LANL  
Date : 1988  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R01r  
Title : CEARP Phase I  
Author : DOE  
Date : 10/87  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R04r  
Title : CEARP Program - Draft Report  
Author : Joseph F. B. Szoo  
Date : 03/29/86  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R02r  
Title : Partial copy of unknown report on LANL radioactive contaminates  
Author : Unknown  
Date : Unknown  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico
  
- Reference R03r  
Title : Safety Analysis and Review System for DOE Operations  
Author : G.L. Voelz  
Date : 07/21/79  
Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R05r

Title : H-Division Forecast, FY 1966 and FY 1967

Author : T. L. Shipman

Date : 05/11/65

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R06r

Title : Solid Radioactive Waste Disposal / Storage

Author : D. Enders

Date : 02/01/73

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Analytical Data

• Reference R01a

Title : Sampling Data Sheet #0-166, Analysis Request Sheets 4409 and 5010

Author : Ortiz and Seitz

Date : 03/21/85

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-4-5-A/I-PP (Oil Sumps)
6. Release Site Descriptor : TA-03-20-006-0218
7. Installation Identifier : TA-3-4-1
8. Alternative Identifier : SWMU #3-042
9. Site Description :  
Aboveground sump/containment area located on the west side of SM-218, below former tanks 3-63 and 3-64 which were removed in 1967 (R01r). The sump was removed in 1988 (R02r).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational, Removed  
Current Owner/Operating Group : To Be Determined
14. Site Type : Remnant soil contamination from removed sump

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R02r

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Reports

• Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

• Reference R02r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-5-CA/S/UST/SST-A/I-HW/RW (Chem waste sump & tanks)
6. Release Site Descriptor : TA-03-20-007-0718
7. Installation Identifier : TA-3-5-718
8. Alternative Identifier : SWMU #3-043
9. Site Description :  
Tank used to neutralize mixed wastes from the physics bldg., 3-40. Tank was removed in 1983 (R01r).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational, Removed  
Current Owner/Operating Group : To Be Determined
14. Site Type : Remnant contamination from removed neutralization tank
15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
CONTAMINANTS ARE UNKNOWN	U	ERP	?	R02r

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

• Reference R01r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-17-CA-A/I-HW/RW (Storage Areas)
6. Release Site Descriptor : TA-03-20-008-0177
7. Installation Identifier : TA-3-17-177
8. Alternative Identifier : Not identified
9. Site Description :  
Storage building, removed in 1987. The building contained furniture, desks, and supplies. No chemicals, oils, solvents, or anything hazardous was stored here (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 30+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
Building was removed in 1987. Nothing that could have caused environmental contamination was stored in the building.
13. Current Operational Status : Not Operational, Removed  
Current Owner/Operating Group : To Be Determined
14. Site Type : Remnant contamination from removed storage trailer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments:

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SM-177 was classified as a low hazard category due to the storage of sealed sources (R01r).

23. Information Resources

Reports

• Reference R01r

Title : Safety Analysis and Review System for DOE Operations

Author : G.L. Voelz

Date : 07/21/79

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-20-009-0082
7. Installation Identifier : TA-3-19-82
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer substation located west of SM-287, removed in 1973. The area the transformer occupied could not be located during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 70+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational, Removed  
Current Owner/Operating Group : To Be Determined
14. Site Type : Remnant contamination from removed transformer substation

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
PCB SCREENING	U	ERP	PCBSCREEN	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-20-010-0256
7. Installation Identifier : TA-3-19-256
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer located west of SM-218, removed in 1985. Yellow label, >50 ppm <500 ppm PCBs. Transformer did not leak in the past. No stains were noted in the area during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
This transformer did not leak in the past. During the ER Program site recon visit, no stains were noted in the area where the transformer was located.
13. Current Operational Status : Not Operational, Removed  
Current Owner/Operating Group : To Be Determined
14. Site Type : Remnant contamination from removed transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-19-CA-A/I-HW (Transformers & Capacitors)
6. Release Site Descriptor : TA-03-20-011-0296
7. Installation Identifier : TA-3-19-296
8. Alternative Identifier : Not identified
9. Site Description :  
Pole mounted transformer located east of SM-41, removed to salvage. Found on Pan Am non-PCB transformer inventory list (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 85+00  
East coordinate : 20+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the soil below the former location of the transformer during the ER Program site recon visit.
13. Current Operational Status : Not Operational, Removed  
Current Owner/Operating Group : Pan Am
14. Site Type : Remnant contamination from removed pole-mounted transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-3-3-CA/UST/SST-A/I-PP (Fuel storage tanks)
6. Release Site Descriptor : TA-03-20-012-0093
7. Installation Identifier : TA-3-3-93
8. Alternative Identifier : Not identified
9. Site Description :  
Underground oil tank associated with the physics building, SM-40. Tank was removed in 1966 (R01r), and a building now sits where the tank was located (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 65+00  
East coordinate : 10+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Not Operational, Removed  
Current Owner/Operating Group : To Be Determined
14. Site Type : Remnant contamination from removed underground storage tank

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01r

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

- Reference R01r
  - Title : CEARP Phase I
  - Author : DOE
  - Date : 10/87
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

- Reference R01s
  - Title : ER Program site reconnaissance visit
  - Author : Roy F. Weston
  - Date : 05/22/89-07/13/89
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-59-5-0/CA-A-HW (OUTFALLS)
6. Release Site Descriptor : TA-59-01-013-0001
7. Installation Identifier : TA-59-5-10
8. Alternative Identifier : Not identified
9. Site Description :  
Outfall to Two Mile Canyon south of OH-1. The outfall discharges cooling tower overflow from 59-10, and serves all of the floor drains in the basement of OH-1 (R01r and R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50-00  
East coordinate : 40-00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : HSE-9, HSE-14
14. Site Type : Active outfall and any associated soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
PCB SCREENING	U	ERP	PCBSCREEN	R01s
ACIDS	U	ERP	ACIDS	R01s
CAUSTIC (NAOH)	U	ERP	NAOH	R01s
OIL & GREASE	U	ERP	IOGGR	R01s
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R01s
CHROMIUM, TOTAL	U	CAS	7440-47-3	R01s
CHROMIUM VI	U	ERP	ICR6	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

• Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-59-03-008-0001
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :

Aboveground sump for cooling tower 59-10 located in basement of OH-1. Chemicals are added to the water that circulates in the cooling tower here. The sump and cooling tower are drained to the canyon outfall each year when the system is shut down (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 40+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : ENG-5
14. Site Type : Active aboveground sump

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
CHROMIUM, TOTAL	U	CAS	7440-47-3	R01s
CHROMIUM VI	U	ERP	ICR6	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-59-7-S-A-HW/RW (Sumps)
6. Release Site Descriptor : TA-59-03-009-0001
7. Installation Identifier : TA-59-7-1
8. Alternative Identifier : SWMU #59-003
9. Site Description :

Three sumps are located in the basement of OH-1. The sumps have capacities of 35-50 gal, 10 gal, and 5 gal. All three of the sumps are connected to the industrial waste line (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed  
Coordinates : Not identified  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : HSE-9, HSE-14
14. Site Type : Industrial waste sumps
15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
RADIONUCLIDES	U	ERP	RAD	R02r
ORGANICS (NON SPECIFIC)	U	ERP	ORGNS	R02r
ACIDS	U	ERP	ACIDS	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

- Reference R01r
  - Title : SWMU Report
  - Author : LANL
  - Date : 1988
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

#### Site Visits

- Reference R01s
  - Title : ER Program site reconnaissance visit
  - Author : Roy F. Weston
  - Date : 05/22/89-07/13/89
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-59-06-007-0001
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Generator house located on the north side of OH-1. Leaks have occurred and were noted to have washed off of the cement pad below the generator, and into a drainage area trending NE towards the ER-TSO muster area (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 40+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :  
RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : ENG-5
14. Site Type : Soil contamination from leaky compressor

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
OIL & GREASE	U	ERP	IOGGR	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-59-06-008-0001
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :

Through the years, work with acids has been carried out in OH-1. The work has required acids to be vented through stainless steel stacks, resulting in a film of red acid residue being deposited on the roof (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 40+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Operational  
Current Owner/Operating Group : HSE-9
14. Site Type : Contamination from stack releases

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
ACIDS	U	ERP	ACIDS	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-59-3-O/CA-A-HW (Cooling tower)
6. Release Site Descriptor : TA-59-08-013-0010
7. Installation Identifier : TA-59-3-10
8. Alternative Identifier : Not identified
9. Site Description :  
Cooling tower located on the SE corner of OH-1 (R01r). Cooling tower is only operated from May through October each year. The rest of the time it is not used (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 40+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : ENG-5
14. Site Type : Cooling tower

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
CHROMIUM, TOTAL	U	CAS	7440-47-3	R01s
CHROMIUM VI	U	ERP	ICR6	R01s

21. Chronological Events: Not identified

22. Comments:

OH-10 was formerly called TA-3-238 (R01m).

The following is a list of chemicals that were used in colling towers (R02m): citric acid, malic acid, acetic acid, ethylenediaminetetraacetic acid (EDTA), N-hydroxyethylethylenediaminetriacetic acid (HEEDTA), nitrilotriacetic acid (NTA), diethylenetriamine-t-pentaacetic acid (DTPA), nitrilotri(methylene phosphonic) acid, 1-hydroxyethylidene-1,1-diphosphonic acid, poylacrylates, sodium pentachlorophenate, sodium salt of a slow chlorine release material, alkyl dimethyl benzl ammonium chloride, amine based material, and food grade phosphoric acid.

23. Information Resources

Memos

\* Reference R01m

Title : New Technical Area Designation

Author : J. B. Montoya

Date : 02/25/80

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R02m

Title : Effluent From Plant Cooling Towers

Author : E. L. Miller

Date : 07/30/71

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

- Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-59-4-CA-A-HW/RW (Drum Storage)
6. Release Site Descriptor : TA-59-10-016-0001
7. Installation Identifier : TA-59-4-1
8. Alternative Identifier : SWMU #59-002
9. Site Description :

Two storage areas outside at OH-1 and inside in room 123 are identified in the Phase I and SWMU reports (R01r and R02r). These storage areas outside of OH-1 were not observed during the ER Program site recon (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 40+00  
Elevation : Not identified
11. Program Phase : Recon Sampling
12. Program Phase Rationale :

Phase I and RI Scoping activities indicate that this site should be investigated further as part of recon sampling.
13. Current Operational Status : Not Operational  
Current Owner/Operating Group : Not identified
14. Site Type : Remnant contamination from past storage areas

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
ANIMAL TISSUE	U	ERP	ATIS	R01s
RADIONUCLIDES	U	ERP	RAD	R01s
METALS	U	ERP	METLS	R01s
OIL & GREASE	U	ERP	IOGGR	R01s
INORGANICS (NON SPECIFIC)	U	ERP	INORGNS	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Reports

- Reference R01r

Title : CEARP Phase I

Author : DOE

Date : 10/87

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R02r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-59-13-020-0001
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer located in the basement of OH-1. Yellow label, >50 ppm <500 ppm PCBs. No stains or leaks were observed on the cement floor during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 40+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the floor around the transformer during the ER Program site recon visit to indicate any past leaks.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am or ENG-5
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments:

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There is one PCB-contaminated transformer that was documented to be leaking, and was mentioned in a memo as undergoing daily inspection (R01m).

23. Information Resources

Memos

• Reference R01m

Title : PCB Transformers

Author : Tom Hansen

Date : 08/20/87

Location: ER Program Document Control Files for TA-55, Roy F. Weston, Albuquerque, NM.

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-59-6-CA-A/I-HW (Transformers)
6. Release Site Descriptor : TA-59-13-021-0016
7. Installation Identifier : TA-59-6-16
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer located on the NE corner of OH-3. No label, but transformer looks new. No leaks or stains were noted during ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 35+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the cement pad below the transformer or on the asphalt around it during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM

2. Installation : LOS ALAMOS NATIONAL LABORATORY

3. Site Name : Not identified

4. Task Number : AL-LA-021

5. Phase 1 Heading : TA-59-6-CA-A/I-HW (Transformers)

6. Release Site Descriptor : TA-59-13-022-0039

7. Installation Identifier : TA-59-6-39

8. Alternative Identifier : Not identified

9. Site Description :

Transformer located in between OH-31 and 32. Transformer in this location is numbered 59-86. There seems to be a problem in numbering, or transformer 59-39 was removed and replaced. No leaks observed from 59-86 during ER Program site recon visit (R01s).

10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet

The site has not been surveyed; coordinates are estimated from available maps and drawings

North coordinate : 50+00

East coordinate : 30+00

Elevation : Not identified

11. Program Phase : RI Scoping

12. Program Phase Rationale :

RI scoping activities indicate that this should be further investigated.

13. Current Operational Status : Operational

Current Owner/Operating Group : To Be Determined

14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
PCB SCREENING	U	ERP	PCBSCREEN	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-59-6-CA-A/I-HW (Transformers)
6. Release Site Descriptor : TA-59-13-023-0040
7. Installation Identifier : TA-59-6-40
8. Alternative Identifier : Not identified
9. Site Description :

Transformer located on the west side of OH-31. Transformer in this location is numbered 59-85. There seems to be a problem in numbering, or 59-40 was removed and replaced. No leaks observed from 59-85 during ER Program site recon visit (R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 35+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :

RI scoping activities indicate that this site should be further investigated.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
PCB SCREENING	U	ERP	PCBSCREEN	R01s

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-59-6-CA-A/I-HW (Transformers)
6. Release Site Descriptor : TA-59-13-024-0041
7. Installation Identifier : TA-59-6-41
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer located on the east side side of OH-32. No label, but transformer looks new. No leaks observed during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 35+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the cement pad below the transformer or on the asphalt around it during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-59-6-CA-A/1-HW (Transformers)
6. Release Site Descriptor : TA-59-13-025-0046
7. Installation Identifier : TA-59-6-46
8. Alternative Identifier : Not identified
9. Site Description :  
Transformer located on the east side of OH-35. No label, but transformer looks new. No leaks observed during the ER Program site recon visit (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 35+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the cement pad below the transformer or on the asphalt around it during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : To Be Determined
14. Site Type : Active transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-59-6-CA-A/I-HW (Transformers)
6. Release Site Descriptor : TA-59-13-026-0051
7. Installation Identifier : TA-59-6-51
8. Alternative Identifier : Not identified
9. Site Description :  
Pole mounted transformer located north of OH-1, formerly TA-3-306. Found on the Pan Am non-PCB transformer inventory list (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 40+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the soil below the transformer or on the transformer itself during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active pole-mounted transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

#### Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-59-6-CA-A/I-HW (Transformers)
6. Release Site Descriptor : TA-59-13-027-0052
7. Installation Identifier : TA-59-6-52
8. Alternative Identifier : Not identified
9. Site Description :  
Pole mounted transformer near the SW corner of OH-2, formerly TA-3-438. Found on the Pan Am non-PCB transformer inventory list (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 40+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the soil below the transformer or on the transformer itself during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active pole-mounted transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-59-6-CA-A/I-HW (Transformers)
6. Release Site Descriptor : TA-59-13-028-0063
7. Installation Identifier : TA-59-6-63
8. Alternative Identifier : Not identified
9. Site Description :  
Pole mounted transformer located north of OH-35, formerly TA-3-304. Found on the Pan Am non-PCB transformer inventory list (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 55+00  
East coordinate : 35+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the soil below the transformer or on the transformer itself during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active pole-mounted transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-59-6-CA-A/I-HW (Transformers)
6. Release Site Descriptor : TA-59-13-029-0064
7. Installation Identifier : TA-59-6-64
8. Alternative Identifier : Not identified
9. Site Description :  
Pole mounted transformer located north of OH-30, formerly TA-3-305. Found on the Pan Am non-PCB transformer inventory list (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 35+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
No stains were noted on the soil below the transformer or on the transformer itself during the ER Program site recon visit.
13. Current Operational Status : Operational  
Current Owner/Operating Group : Pan Am
14. Site Type : Active pole-mounted transformer

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-59-2-UST-I-PP (Underground fuel tank)
6. Release Site Descriptor : TA-59-19-006-0006
7. Installation Identifier : TA-59-2-6
8. Alternative Identifier : Not identified
9. Site Description :  
3,000 gallon capacity underground diesel fuel oil tank located in the NE courtyard of OH-1 (R01r). Tank is still active and used as the fuel supply for the emergency generator located in the Emergency Operations Center (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 40+00  
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :  
Phase I and RI Scoping activities indicate that this site should be investigated further.
13. Current Operational Status : Operational  
Current Owner/Operating Group : EOC (emergency operations center)
14. Site Type : Underground storage tank and any soil contamination

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
TOTAL PETROLEUM PRODUCTS	U	ERP	TPP	R01s

21. Chronological Events: Not identified

22. Comments:

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OH-6 was formerly called TA-3-237 (R01m).

23. Information Resources

Memos

- Reference R01m
  - Title : New Technical Area Designation
  - Author : J. B. Montoya
  - Date : 02/25/80
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

- Reference R01r
  - Title : CEARP Phase I
  - Author : DOE
  - Date : 10/87
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments:

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OH-4 was formerly called TA-3-239 (R01m).

23. Information Resources

Memos

- Reference R01m
  - Title : New Technical Area Designation
  - Author : J. B. Montoya
  - Date : 02/25/80
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Reports

- Reference R01r
  - Title : CEARP Phase I
  - Author : DOE
  - Date : 10/87
  - Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

- Reference R02r

Title : SWMU Report

Author : LANL

Date : 1988

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

- Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : TA-59-1-ST-I-HW/RW (SEPTIC TANK)
6. Release Site Descriptor : TA-59-20-013-0004
7. Installation Identifier : TA-59-1-4
8. Alternative Identifier : SWMU #59-001
9. Site Description :

Septic tank, 59-4, removed in 1979. The tank had a distribution box (59-5) and a leach field. The tank served the bathrooms on the 1st floor of OH-1, and photoprocessing operations in the building (R01r, R02r, and R01s).
10. Site Location:

Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 40+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :

Septic tank, distribution box, and leach field were removed for the construction of the HSE building parking lot. The original elevation of the land surface was lowered approx. 15 ft to make way for the parking lot.
13. Current Operational Status : Not Operational, Removed  
Current Owner/Operating Group : To Be Determined
14. Site Type : Septic tank, distribution box, and leach field

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-021
5. Phase 1 Heading : None defined
6. Release Site Descriptor : TA-59-20-014-0001
7. Installation Identifier : Not identified
8. Alternative Identifier : Not identified
9. Site Description :  
Aboveground containment tank that was located in the basement of OH-1. Removed in 1987. The tank was part of an air wash system that was used to dilute acid saturated air passing through the vent system in OH-1 (R01s).
10. Site Location:  
Coordinate system and units : LANL Coordinate System / Feet  
The site has not been surveyed; coordinates are estimated from available maps and drawings  
North coordinate : 50+00  
East coordinate : 40+00  
Elevation : Not identified
11. Program Phase : NFA
12. Program Phase Rationale :  
Stains were noted on the floor in the former location of the tank during the ER Program site recon visit; however, there are no floor drains in the immediate area, and any possibility of past leaks or spills having entered the drains is remote.
13. Current Operational Status : Not Operational, Removed  
Current Owner/Operating Group : ENG-5
14. Site Type : Aboveground containment tank

15. Potential Pathways : Not identified

16. Generic Waste Type : Not identified

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern: Not identified

21. Chronological Events: Not identified

22. Comments: Not identified

23. Information Resources

Site Visits

• Reference R01s

Title : ER Program site reconnaissance visit

Author : Roy F. Weston

Date : 05/22/89-07/13/89

Location: ER Program document control system, Roy F. Weston, Albuquerque, New Mexico