



SUSANA MARTINEZ
Governor
JOHN A. SANCHEZ
Lieutenant Governor

NEW MEXICO
ENVIRONMENT DEPARTMENT

2905 Rodeo Park Drive East, Building 1,
Santa Fe, NM 87505-6303
Phone (505)476-6000 Fax (505) 476-6030
www.env.nm.gov

ENTERED



BUTCH TONGATE
Cabinet Secretary
J.C. BORREGO
Acting Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

November 9, 2016

John Bretzke
Division Director
Environmental Protection & Compliance Division
Los Alamos National Laboratory
P.O. Box 1663, MS-M991
Los Alamos, NM 87545

David S. Rhodes
Director
Office of Quality & Regulatory Compliance
Environmental Management
Los Alamos Field Office
3747 West Jemez Road
Los Alamos, NM 87544

**RE: FEE ASSESSMENT AND APPROVAL
REQUEST FOR A CLASS 1 PERMIT MODIFICATION
TO REVISE TABLE K-1 OF ATTACHMENT K OF THE
LOS ALAMOS NATIONAL LABORATORY (LANL)
HAZARDOUS WASTE FACILITY PERMIT
EPA ID #NM0890010515
HWB-LANL-16-054**

Dear Mr. Bretzke and Mr. Rhodes:

The New Mexico Environment Department (NMED) has received from the United States Department of Energy (DOE) and Los Alamos National Security, LLC, (LANS) (collectively, the Permittees) a *Request for a Class 1 Permit Modification to the Los Alamos National Laboratory (LANL) Hazardous Waste Facility Permit, EPA ID No. NM0890010515* and referenced by EPC-DO-16-312 and LA-UR-16-27951. The Permittees submitted this permit modification request (PMR) requiring prior approval on October 27, 2016, seeking to modify the Permit to revise Table K-1 of Attachment K, *Listing of SWMUs and AOCs*, to identify four existing solid waste management units (SWMUs) and one existing area of concern (AOC), as 10 new SWMUs and two new AOCs, respectively.

The purpose of this permit modification is to facilitate the completion of corrective actions on



Messrs. Bretzke and Rhodes
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the former Los Alamos Inn property portion of the SWMUs and AOCs prior to completion of corrective actions on the other privately-owned and DOE owned portions. The permit modification will allow the Permittees to expedite the requests for certificates of completion (CoCs) for the newly designated SWMUs and AOCs and assist in transitioning the former Los Alamos Inn property from its current vacant status to an economically productive use.

The NMED has reviewed this PMR in accordance with the New Mexico Administrative Code, Title 20, Chapter 4, Part 1 (20.4.1 NMAC) [incorporating Code of Federal Regulations (CFR), Title 40 §270.42] and hereby issues this Approval.

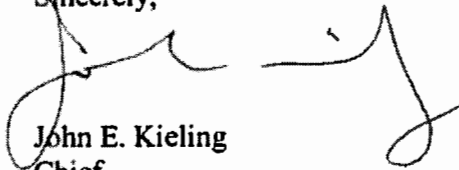
An electronic version of the Permit that incorporates the modifications is enclosed with this letter. The modified Permit is also available on the NMED's Hazardous Waste Bureau website at <https://www.env.nm.gov/HWB/lanlperm.html>.

The New Mexico Hazardous Waste Management Regulations at 20.4.1.901.A (10) NMAC states, "A final permit decision shall become effective thirty (30) days after the notice of the decision has been served on the applicant." The modified Permit will become effective 30 days after the date of this Approval.

The New Mexico Hazardous Waste Permit and Corrective Action Fee Regulations, 20.4.2.201.F NMAC, require the assessment of fees. The New Mexico Hazardous Waste Permit and Corrective Action Fee Regulations, specifically 20.4.2.201.F NMAC require the assessment of fees. Payment is due within sixty (60) calendar days from the date that you receive the invoice in accordance with 20.4.2.301.C NMAC. The fee invoice is attached to this letter.

If you have any questions regarding this correspondence, please contact Robert Murphy of my staff at 505-476-6022.

Sincerely,



John E. Kieling
Chief
Hazardous Waste Bureau

Attachments

- 1) Permit, Table K-1 of Attachment K, Revised
- 2) CD Attachment

cc:

N. Dhawan, NMED HWB
S. Briley, NMED HWB
R. Murphy, NMED, HWB
S. Yanicak, NMED OD

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L. King, EPA 6PD-N
D. Hintze, EM-LA
J. Pugh, NA-LA, MS-A316
M. Haagenstad, EPC-CP, MS-K404
C. Rodriguez, EM-SG
S. Martinez, ADEM-MA M992

File: 2016 Reading, LANL Class 1 Permit Modification with Prior Approval
LANL-16-054



**New Mexico
Environment Department
Hazardous Waste Bureau**

**Los Alamos National Lab
P O Box 1663
MS-M992
Los Alamos, NM 87545
Attn: Cindy Maze**

November 9, 2016

Invoice # - HWB-LANL-16-054

Request for a Class 1 Permit Modification to revise Table K-1 of Attachment K of the Los Alamos National Laboratory (LANL) Hazardous Waste Facility Permit, EPA ID No. NM0890010515

| Quantity | Item | Item Cost | Total Cost |
|----------|-------------------------------|------------------------|-------------------|
| 1 | Class 1 (with prior approval) | \$2,500.00 | \$2,500.00 |
| | | Total Fees | \$2,500.00 |
| | | Adjustment | \$0.00 |
| | | Pay This Amount | \$2,500.00 |

Make Checks Payable to: NMED/HWB

Mail Checks and Invoice to:

**New Mexico Environment Department, HWB
Attn: James Valdez
2905 Rodeo Park Drive East, Bldg 1
Santa Fe, NM 87505**

When you provide a check as payment, you authorize the State of New Mexico to either use information from your check to make a one-time electronic fund transfer from your account or to process the payment as a check transaction.

Check Number: _____ Amount Received: _____

Date Received: _____

ATTACHMENT K
LISTING OF SWMUS AND AOCS

Table K-1
SWMUs and AOCs Requiring Corrective Action

Table K-1
SWMUs and AOCs Requiring Corrective Action

| SWMU/AOC | Unit # | Unit Type |
|-------------|------------|---|
| TA-0 | | |
| SWMU | 00-001 | Sediment traps in Mortandad Canyon |
| SWMU | 00-011(a) | Former Mortar impact area |
| SWMU | 00-011(c) | Mortar impact area |
| SWMU | 00-011(d) | Mortar impact area |
| SWMU | 00-011(e) | Mortar impact area |
| AOC | 00-015 | Firing Range-Rendija Canyon |
| SWMU | 00-017 | Waste lines |
| SWMU | 00-018(a) | Former Sludge bed wastewater treatment plant, Pueblo Canyon |
| AOC | 00-018(b) | Sludge-Bed Wastewater Treatment Plant |
| SWMU | 00-019 | Former Wastewater treatment plant, central |
| AOC | 00-027 | Storage Area-DP Road |
| SWMU | 00-030(a) | Former Septic Tank |
| SWMU | 00-030(b) | Septic Tanks |
| AOC | 00-030(d) | Septic Tank |
| AOC | 00-030(eN) | Septic Tanks |
| AOC | 00-030(eS) | Septic Tank |
| AOC | 00-030(f) | Septic Tank |
| SWMU | 00-030(g) | Former Septic tank (near old Catholic Church parking lot) |
| AOC | 00-030(h) | Former Septic tank (near new Catholic Church) |
| AOC | 00-030(j) | Septic Tank |
| SWMU | 00-030(l) | Septic Tank |
| SWMU | 00-030(m) | Former Septic Tank |
| AOC | 00-030(n) | Former Septic Tank |
| AOC | 00-030(o) | Septic Tank |
| AOC | 00-030(p) | Septic Tank |
| AOC | 00-031(a) | Soil Contamination from former Service Station |
| AOC | 00-031(b) | Soil Contamination from former motor pool facility |
| SWMU | 00-033(a) | Soil contamination from former UST, 6 th Street Warehouses |
| AOC | 00-034(b) | Landfill, western area |
| SWMU | 00-039 | Soil contamination from former USTs |
| AOC | C-00-001 | Guaje Canyon |
| AOC | C-00-002 | Rendija Canyon |
| AOC | C-00-003 | Barrancas Canyon |
| AOC | C-00-004 | Bayo Canyon |
| AOC | C-00-005 | Pueblo Canyon |
| AOC | C-00-006 | Los Alamos Canyon |
| AOC | C-00-007 | Sandia Canyon |
| AOC | C-00-008 | Mortandad Canyon |
| AOC | C-00-009 | Canada del Buey Canyon |
| AOC | C-00-010 | TwoMile Canyon |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|-------------|---------------|---|
| AOC | C-00-011 | Pajarito Canyon |
| AOC | C-00-012 | Three Mile Canyon |
| AOC | C-00-013 | Potrillo Canyon |
| AOC | C-00-014 | Canon de Valle Canyon |
| AOC | C-00-015 | Fence Canyon |
| AOC | C-00-016 | Water Canyon |
| AOC | C-00-017 | Indio Canyon |
| AOC | C-00-018 | Ancho Canyon |
| AOC | C-00-019 | Chaquehui Canyon |
| AOC | C-00-020 | Mortar impact area |
| AOC | C-00-021 | DP Canyon |
| AOC | C-00-037 | Landfill, Bandelier, NM |
| AOC | C-00-038 | Surface Disposal, Bandelier, NM |
| AOC | C-00-041 | Asphalt and tar remnant site |
| AOC | C-00-042 | Former Underground Storage Tank |
| AOC | C-00-043 | Former Manhole |
| AOC | C-00-044 | Soil contamination |
| TA-1 | | |
| SWMU | 01-001(a) | Septic Tank 134 |
| SWMU | 01-001(b) | Septic Tank 135 |
| SWMU | 01-001(c) | Septic Tank 137 |
| SWMU | 01-001(d1) | Soil contamination from Septic Tank 138 |
| SWMU | 01-001(d2) | Soil contamination from Septic Tank 138 |
| SWMU | 01-001(d3) | Soil contamination from Septic Tank 138 |
| SWMU | 01-001(e) | Septic Tank 139 |
| SWMU | 01-001(f) | Septic Tank 140(hillside) |
| SWMU | 01-001(g) | Septic Tank 141 |
| SWMU | 01-001(o) | Waste Line |
| SWMU | 01-001(s1) | Waste Line |
| SWMU | 01-001(s2) | Waste Line |
| SWMU | 01-001(t) | Waste Line |
| SWMU | 01-001(u) | Waste Lines |
| SWMU | 01-002(a1)-00 | Waste Lines |
| SWMU | 01-002(a2)-00 | Waste Lines |
| SWMU | 01-002(b)-00 | Outfall associated with TA-01 (Located in former TA-45) |
| SWMU | 01-003(a) | Landfill |
| AOC | 01-003(b1) | Surface Disposal Site |
| AOC | 01-003(b2) | Surface Disposal Site |
| AOC | 01-003(c) | Surface Disposal Site |
| SWMU | 01-003(d) | Surface Disposal Site |
| SWMU | 01-003(e) | Surface Disposal Site |
| SWMU | 01-006(a) | Drainline and Outfall |
| SWMU | 01-006(b) | Drainline and Outfall |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|-------------|------------|--|
| SWMU | 01-006(c) | Drainlines and Outfall |
| SWMU | 01-006(d) | Drainline and Outfall |
| AOC | 01-006(e) | Drainlines and Outfall |
| AOC | 01-006(g) | Storm drains and outfalls |
| SWMU | 01-006(h1) | Storm drain and outfall |
| SWMU | 01-006(h2) | Storm drain and outfall |
| SWMU | 01-006(h3) | Storm drain and outfall |
| SWMU | 01-006(n) | Storm drain and outfall |
| SWMU | 01-006(o) | Storm drains and outfalls |
| SWMU | 01-007(a) | Soil contamination associated with TA-1 Buildings and Structures |
| SWMU | 01-007(b) | Soil contamination associated with TA-1 Buildings and Structures |
| SWMU | 01-007(c) | Soil contamination associated with TA-1 Buildings and Structures |
| SWMU | 01-007(d) | Soil contamination associated with TA-1 Buildings and Structures |
| SWMU | 01-007(e) | Soil contamination associated with TA-1 Buildings and Structures |
| SWMU | 01-007(j) | Soil contamination associated with TA-1 Buildings and Structures |
| AOC | 01-007(k) | Soil Contamination Area |
| SWMU | 01-007(l) | Soil contamination associated with TA-1 Buildings and Structures |
| TA-2 | | |
| AOC | 02-003(a) | Soil contamination associated with former valve house and gaseous effluent line |
| AOC | 02-003(b) | Soil contamination associated with former condensate trap |
| AOC | 02-003(c) | Soil contamination associated with former delay system |
| AOC | 02-003(d) | Soil contamination associated with former gaseous effluent line |
| AOC | 02-003(e) | Soil contamination associated with former holding tank (near water boiler reactor) |
| AOC | 02-004(a) | Former Omega West reactor facility |
| AOC | 02-004(b) | Former Reactor facility effluent storage tank TA-2-54 |
| AOC | 02-004(c) | Former Reactor facility effluent storage tank TA-2-55 |
| AOC | 02-004(d) | Former Reactor facility effluent storage tank TA-2-56 |
| AOC | 02-004(e) | Former Reactor facility acid pit TA-2-53 |
| AOC | 02-004(f) | Former Reactor facility equipment building |
| AOC | 02-004(g) | Soil contamination associated with former aboveground tank |
| SWMU | 02-005 | Soil contamination from Drift loss, cooling tower blowdown |
| SWMU | 02-006(a) | Former French drain |
| SWMU | 02-006(b) | Former Acid waste line |
| AOC | 02-006(c) | Former Drainline |
| AOC | 02-006(d) | Drainline |
| AOC | 02-006(e) | Former sump |
| SWMU | 02-007 | Soil contamination from former septic system |
| SWMU | 02-008(a) | Outfall from Structure 02-49 |
| AOC | 02-008(c) | Outfall from Building 2-1 |
| SWMU | 02-009(a) | Soil contamination associated with former water boiler reactor |
| SWMU | 02-009(b) | Soil contamination associated with former water boiler reactor |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|-------------|-----------|--|
| SWMU | 02-009(c) | Soil contamination associated with condensate trap and leach field |
| AOC | 02-009(d) | Soil contamination |
| AOC | 02-009(e) | Soil contamination (duplicate of SWMU 02-009(c)) |
| AOC | 02-010 | Soil contamination associated with former chemical stack 2-3 |
| AOC | 02-011(a) | Storm drains associated with former Building 2-1 |
| AOC | 02-011(b) | Former drains |
| AOC | 02-011(c) | Storm drain |
| AOC | 02-011(d) | Outfall from Building 2-44 |
| AOC | 02-011(e) | Outfall from Structure 2-49 (duplicate of 02-008(a)) |
| AOC | 02-012 | Soil contamination from former underground tanks |
| TA-3 | | |
| AOC | 03-001(e) | Storage Area |
| AOC | 03-001(i) | Storage Area |
| SWMU | 03-001(k) | -Storage Area |
| SWMU | 03-002(c) | Storage area |
| SWMU | 03-003(a) | Storage area |
| SWMU | 03-003(b) | Storage area |
| SWMU | 03-003(c) | Storage Area |
| AOC | 03-003(d) | Storage area |
| AOC | 03-003(e) | Storage area |
| AOC | 03-003(f) | Storage area |
| AOC | 03-003(g) | -Storage area |
| AOC | 03-003(h) | Storage area |
| AOC | 03-003(i) | Storage area |
| AOC | 03-003(j) | Storage area |
| AOC | 03-003(k) | Storage area |
| AOC | 03-003(l) | Storage area |
| AOC | 03-003(n) | Storage area |
| AOC | 03-003(o) | Storage area |
| AOC | 03-003(p) | Storage area |
| AOC | 03-004(c) | Storage area |
| AOC | 03-004(d) | Storage area |
| AOC | 03-007 | Firing site |
| AOC | 03-008(a) | Firing site |
| SWMU | 03-009(a) | Surface disposal site |
| SWMU | 03-009(i) | Surface disposal site |
| SWMU | 03-009(j) | Surface disposal site |
| SWMU | 03-010(a) | Former Vacuum repair shop outfall |
| SWMU | 03-011 | Operational release |
| SWMU | 03-012(b) | Operational release |
| SWMU | 03-013(a) | Storm drain |
| AOC | 03-013(b) | Floor Drains |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|------|------------|---|
| SWMU | 03-013(i) | Operational release from former Buildings 3-246 and 3-247 |
| SWMU | 03-014(a) | Imhoff tank associated with former WWTP |
| AOC | 03-014(a2) | Drain associated with former WWTP |
| SWMU | 03-014(b) | Dosing siphon associated with former WWTP |
| AOC | 03-014(b2) | Outfall associated with former WWTP |
| SWMU | 03-014(c) | Trickling filter associated with former WWTP |
| AOC | 03-014(c2) | Outfall associated with former WWTP |
| SWMU | 03-014(d) | Clarifying tank associated with former WWTP |
| SWMU | 03-014(e) | Imhoff tank associated with former WWTP |
| SWMU | 03-014(f) | Dosing siphon associated with former WWTP |
| SWMU | 03-014(g) | Trickling filter associated with former WWTP |
| SWMU | 03-014(h) | Clarifying tank associated with former WWTP |
| SWMU | 03-014(i) | Splitter box and bar rack associated with former WWTP |
| SWMU | 03-014(j) | Chlorination system associated with former WWTP |
| SWMU | 03-014(k) | Sludge drying bed associated with former WWTP |
| SWMU | 03-014(l) | Sludge drying bed associated with former WWTP |
| SWMU | 03-014(m) | Sludge drying bed associated with former WWTP |
| SWMU | 03-014(n) | Sludge drying bed associated with former WWTP |
| SWMU | 03-014(o) | Sludge drying bed associated with former WWTP |
| SWMU | 03-014(p) | Lift station associated with former WWTP |
| SWMU | 03-014(q) | Holding tank |
| SWMU | 03-014(r) | Lift station associated with former WWTP |
| SWMU | 03-014(s) | Lift station associated with former WWTP |
| SWMU | 03-014(t) | Lift station associated with former WWTP |
| SWMU | 03-014(u) | Holding tank associated with former WWTP |
| AOC | 03-014(v) | Drain associated with former WWTP |
| AOC | 03-014(w) | Drain associated with former WWTP |
| AOC | 03-014(x) | Drain associated with former WWTP |
| AOC | 03-014(y) | Drain associated with former WWTP |
| AOC | 03-014(z) | Drain associated with former WWTP |
| SWMU | 03-015 | Outfall |
| SWMU | 03-021 | Outfall from Building 3-170 |
| AOC | 03-022 | Former Sump |
| SWMU | 03-025(b) | Sumps |
| AOC | 03-025(c) | Oil/water separator |
| AOC | 03-026(a) | Sump |
| SWMU | 03-026(c) | Tanks |
| SWMU | 03-026(d) | Sump |
| AOC | 03-027 | Lift Wells |
| SWMU | 03-028 | Surface Impoundment |
| SWMU | 03-029 | Asphalt Batch Plant (Disposal Area) |
| SWMU | 03-031 | Tanks and associated equipment |
| SWMU | 03-033 | Former Tanks and Sumps |

Table K-1
SWMUs and AOCs Requiring Corrective Action

| | | |
|------|-----------|---|
| SWMU | 03-034(a) | Tank and/or associated equipment, radioactive liquid waste tanks |
| SWMU | 03-034(b) | Tank and associated equipment |
| SWMU | 03-036(a) | Soil contamination from former aboveground tanks |
| AOC | 03-036(b) | Former aboveground tanks |
| SWMU | 03-036(c) | Soil contamination from former aboveground tank (duplicated of 03-043(f)) |
| SWMU | 03-036(d) | Soil contamination from former aboveground tank (duplicated of 03-043(g)) |
| SWMU | 03-037 | Underground tanks |
| SWMU | 03-038(a) | Soil contamination from former Building 3-700 |
| SWMU | 03-038(b) | Soil contamination from former acid tank |
| AOC | 03-038(c) | Waste lines |
| AOC | 03-038(d) | Waste lines |
| AOC | 03-038(f) | Drainline |
| AOC | 03-041 | Underground tank |
| AOC | 03-042 | Soil contamination from former sump |
| AOC | 03-043(a) | Soil contamination from former aboveground tank |
| AOC | 03-043(b) | Soil contamination from former aboveground tank |
| SWMU | 03-043(c) | Soil contamination from former manhole |
| AOC | 03-043(d) | Soil contamination from former aboveground tank |
| AOC | 03-043(f) | Soil contamination from former aboveground tank |
| AOC | 03-043(g) | Soil contamination from former aboveground tank |
| AOC | 03-043(h) | Soil contamination from former aboveground tank |
| SWMU | 03-045(a) | Outfall from Building 3-22 |
| SWMU | 03-045(b) | Operational release |
| SWMU | 03-045(c) | Outfall from structure 3-285 |
| SWMU | 03-045(e) | Outfall from Building 3-57 |
| SWMU | 03-045(f) | Outfall from Building 3-223 |
| SWMU | 03-045(g) | Storm drain |
| SWMU | 03-045(h) | Outfall from cooling tower 3-187 |
| SWMU | 03-046 | Above ground wastewater treatment tank |
| AOC | 03-047(d) | Soil contamination from former storage area |
| AOC | 03-047(g) | Soil contamination from former storage area |
| SWMU | 03-049(a) | Outfall from cooling tower 3-127 and Building 3-66 |
| SWMU | 03-049(b) | Soil contamination from discharge area |
| SWMU | 03-049(e) | Outfall |
| SWMU | 03-050(a) | Soil contamination from TA-3 exhaust emissions |
| SWMU | 03-050(d) | Soil contamination from TA-3 exhaust emissions |
| SWMU | 03-050(f) | Soil contamination from TA-3 exhaust emissions |
| SWMU | 03-050(g) | Soil contamination from TA-3 exhaust emissions |
| AOC | 03-051(a) | Soil contamination from leaking compressor |
| AOC | 03-051(b) | Soil contamination from leaking compressor |
| AOC | 03-051(c) | Soil contamination from vacuum pump leaking |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|-------------|-----------|---|
| SWMU | 03-052(a) | Storm drain |
| AOC | 03-052(b) | Storm drainage |
| SWMU | 03-052(e) | Storm drain |
| SWMU | 03-052(f) | Outfall from Building 3-38 |
| AOC | 03-053 | Building 3-141 basement area and floor drains |
| SWMU | 03-054(a) | Outfall associated with cooling tower 3-19 |
| SWMU | 03-054(b) | Outfall from Building 3-38 |
| SWMU | 03-054(c) | Outfall from former cooling tower 3-156 |
| SWMU | 03-054(d) | Outfall from Building 3-16 |
| SWMU | 03-054(e) | Outfall from Building 3-29 |
| SWMU | 03-055(a) | Outfall from Building 3-16 |
| SWMU | 03-055(c) | Outfall associated with drains of Fire Station 3-41 |
| SWMU | 03-056(a) | Oil Storage Facility |
| SWMU | 03-056(c) | Transformer storage area |
| SWMU | 03-056(d) | Drum storage |
| AOC | 03-056(h) | Storage Area |
| AOC | 03-056(k) | Container storage area |
| SWMU | 03-056(l) | Container Storage Area |
| SWMU | 03-059 | Storage area |
| AOC | C-03-006 | Spill/Non-Intentional Release Area |
| AOC | C-03-014 | Equipment Storage area |
| AOC | C-03-016 | Former Oil metal bin |
| AOC | C-03-022 | Former Kerosene tanker trailer |
| TA-4 | | |
| SWMU | 04-001 | Firing site |
| SWMU | 04-002 | Surface Disposal site |
| SWMU | 04-003(a) | Outfall associated with former Photo-processing Building 4-07 |
| SWMU | 04-003(b) | Drainline and outfall from former Building 4-03 |
| AOC | 04-004 | Soil contamination from former photo-processing Building 4-07 |
| TA-5 | | |
| SWMU | 05-001(a) | Firing site |
| SWMU | 05-001(b) | Firing site |
| AOC | 05-001(c) | Firing site |
| SWMU | 05-002 | Canyon side disposal site |
| SWMU | 05-003 | Calibration Chamber |
| SWMU | 05-004 | Septic Tank |
| SWMU | 05-005(a) | Soil contamination from former French Drain |
| SWMU | 05-005(b) | Outfall associated with former Building 5-05 |
| SWMU | 05-006(b) | Soil Contamination from former Building 5-04 |
| SWMU | 05-006(c) | Soil Contamination from former Building 5-05 |
| SWMU | 05-006(e) | Soil Contamination from former Building 5-19 |
| SWMU | 05-006(h) | Soil contamination from former Building 5-09 |
| TA-6 | | |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|-------------|-----------|---|
| SWMU | 06-001(a) | Septic system |
| SWMU | 06-001(b) | Septic system |
| SWMU | 06-002 | Septic System |
| SWMU | 06-003(a) | Firing site |
| SWMU | 06-003(c) | Firing site |
| SWMU | 06-003(d) | Firing site |
| SWMU | 06-003(e) | Firing site |
| SWMU | 06-003(f) | Firing site |
| SWMU | 06-003(h) | Firing site |
| SWMU | 06-005 | Firing Site |
| SWMU | 06-006 | Storage Area |
| SWMU | 06-007(a) | MDA F |
| SWMU | 06-007(b) | Landfill |
| SWMU | 06-007(c) | Landfill |
| SWMU | 06-007(d) | Landfill |
| SWMU | 06-007(e) | Landfill |
| SWMU | 06-007(f) | Surface disposal |
| SWMU | 06-007(g) | Soil contamination from former Building 6-12 |
| AOC | 06-008 | Soil contamination from former underground storage tank |
| AOC | C-06-001 | Soil contamination from former storage magazine 6-4 |
| AOC | C-06-003 | Building TA-6-11 – Control Building for explosive shots |
| AOC | C-06-005 | Soil Contamination from former Building 06-13 |
| TA-7 | | |
| SWMU | 07-001(a) | Firing Site |
| SWMU | 07-001(b) | Firing Site |
| SWMU | 07-001(c) | Firing Site |
| SWMU | 07-001(d) | Firing Site |
| TA-8 | | |
| AOC | 08-001(a) | Off-gas system |
| AOC | 08-001(b) | Off-gas system |
| SWMU | 08-002 | Firing site |
| SWMU | 08-003(a) | Former septic tank |
| SWMU | 08-004(a) | Floor drain |
| SWMU | 08-004(b) | Drainline |
| SWMU | 08-004(c) | Floor drain and sumps |
| SWMU | 08-004(d) | Drain |
| SWMU | 08-005 | Former storage vessel |
| SWMU | 08-006(a) | Material disposal area (MDA) Q |
| SWMU | 08-009(a) | Drainline and outfall |
| AOC | 08-009(c) | Storm drain and outfall from Building 8-23 |
| SWMU | 08-009(d) | Drains |
| SWMU | 08-009(e) | Outfall from Building 8-21 |
| AOC | 08-009(f) | Outfall associated with Building 8-22 |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|-------------|-----------|---|
| AOC | C-08-014 | Laboratory and Administrative Building 8-21 |
| TA-9 | | |
| SWMU | 09-001(a) | Soil contamination from firing site and former firing site structure 9-04 |
| SWMU | 09-001(b) | Firing Site |
| SWMU | 09-001(c) | Firing site |
| SWMU | 09-001(d) | Firing site |
| SWMU | 09-002 | Burn pit |
| SWMU | 09-003(a) | Soil contamination associate with former settling tank |
| SWMU | 09-003(b) | Soil contamination associate with former settling tank |
| SWMU | 09-003(d) | Soil contamination associate with former settling tank |
| SWMU | 09-003(e) | Soil contamination associated with former Basket Pit |
| SWMU | 09-003(g) | Soil contamination associated with former Sump and pipes |
| SWMU | 09-003(h) | Soil contamination associated with former Sump and pipes |
| SWMU | 09-003(i) | Soil Contamination associated with former Sump and Pipes |
| SWMU | 09-004(a) | Settling tank |
| SWMU | 09-004(b) | Settling tank |
| SWMU | 09-004(c) | Settling tank |
| SWMU | 09-004(d) | Settling tank |
| SWMU | 09-004(e) | Settling tank |
| SWMU | 09-004(f) | Settling tank |
| SWMU | 09-004(g) | Settling tank |
| SWMU | 09-004(h) | Settling tank |
| SWMU | 09-004(i) | Settling tank |
| SWMU | 09-004(j) | Settling tank |
| SWMU | 09-004(k) | Settling tank |
| SWMU | 09-004(l) | Settling tank |
| SWMU | 09-004(m) | Settling tank |
| SWMU | 09-004(n) | Settling tank |
| SWMU | 09-004(o) | Settling tank |
| SWMU | 09-005(a) | Soil contamination from former septic tank |
| SWMU | 09-005(d) | Septic Tank |
| SWMU | 09-005(g) | Settling Tank |
| SWMU | 09-006 | Soil contamination associated with former septic tank |
| SWMU | 09-008(b) | Ooxidation Pond |
| SWMU | 09-009 | Surface impoundment |
| AOC | 09-010(a) | Storage Area |
| AOC | 09-010(b) | Storage Area |
| AOC | 09-011(b) | Storage area |
| AOC | 09-011(c) | Storage area |
| AOC | 09-012 | Disposal Pit |
| SWMU | 09-013 | Material Disposal Area (MDA) M |
| AOC | 09-014 | Soil contamination associated with former Camera Mount |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|--------------|-----------|--|
| SWMU | C-09-001 | Soil contamination associated with outfall |
| TA-10 | | |
| SWMU | 10-001(a) | Firing site |
| SWMU | 10-001(b) | Firing site |
| SWMU | 10-001(c) | Firing site |
| SWMU | 10-001(d) | Firing site |
| SWMU | 10-002(a) | Disposal Pit |
| SWMU | 10-002(b) | Disposal Pit |
| SWMU | 10-003(a) | Soil contamination from former disposal pit |
| SWMU | 10-003(b) | Soil contamination from former disposal pit |
| SWMU | 10-003(c) | Soil contamination from former disposal pit |
| SWMU | 10-003(d) | Soil contamination from former disposal pit |
| SWMU | 10-003(e) | Soil contamination from disposal pit |
| SWMU | 10-003(f) | Soil contamination from former disposal pit |
| SWMU | 10-003(g) | Soil contamination from former manhole |
| SWMU | 10-003(h) | Soil contamination from former manhole |
| SWMU | 10-003(i) | Soil contamination from former septic tank |
| SWMU | 10-003(j) | Soil contamination from former tank |
| SWMU | 10-003(k) | Soil contamination from former tank |
| SWMU | 10-003(l) | Soil contamination from former tank |
| SWMU | 10-003(m) | Soil contamination from former waste line |
| SWMU | 10-003(n) | Soil contamination from former leach field |
| SWMU | 10-003(o) | Soil contamination from Decontamination Holes associated with former leach field |
| SWMU | 10-004(a) | Soil contamination from former septic tank |
| SWMU | 10-004(b) | Septic System |
| SWMU | 10-005 | Surface disposal |
| SWMU | 10-006 | Burn site |
| SWMU | 10-007 | Landfill |
| SWMU | 10-008 | Tree-rimmed firing point, Bayo Canyon |
| SWMU | 10-009 | Former Bayo Canyon Landfill- |
| AOC | C-10-001 | Contaminated soil, Bayo Canyon |
| TA-11 | | |
| SWMU | 11-001(a) | Firing site |
| SWMU | 11-001(b) | Firing site |
| SWMU | 11-001(c) | Firing site |
| SWMU | 11-002 | Burn Site |
| AOC | 11-003(b) | Air Gun |
| SWMU | 11-004(a) | Drop tower |
| SWMU | 11-004(b) | Concrete Pad |
| SWMU | 11-004(c) | Hoist |
| SWMU | 11-004(d) | Hoist |
| SWMU | 11-004(e) | Drop Pad |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|--------------|-----------|---|
| AOC | 11-004(f) | Drop Pad |
| SWMU | 11-005(a) | Septic system |
| SWMU | 11-005(b) | Septic system |
| SWMU | 11-005(c) | Outfall from former Building 11-2 |
| SWMU | 11-006(a) | Sump |
| SWMU | 11-006(b) | Catch Basin System |
| SWMU | 11-006(c) | Catch Basin System |
| SWMU | 11-006(d) | Catch Basin System |
| SWMU | 11-009 | Material disposal area (MDA) S |
| SWMU | 11-011(a) | Outfall from Building 11-30 |
| SWMU | 11-011(b) | Outfall from Building 11-30A |
| SWMU | 11-011(d) | Outfall from Building 11-24 |
| AOC | 11-012(a) | Soil contamination associated with former Structure 11-7 |
| AOC | 11-012(b) | Soil contamination associated with former Structure 11-8 |
| AOC | 11-012(c) | Soil contamination associated with former Structure 11-9 |
| AOC | 11-012(d) | Soil contamination associated with former Structure 11-10 |
| AOC | C-11-001 | Soil contamination associated with former Structure 11-5 |
| AOC | C-11-002 | Soil contamination associated with former Structure 11-12 |
| TA-12 | | |
| SWMU | 12-001(a) | Firing site Steel-lined container |
| SWMU | 12-001(b) | Firing site |
| SWMU | 12-002 | Burn Site |
| AOC | 12-004(a) | Radiation test facility |
| AOC | 12-004(b) | Pipe |
| AOC | C-12-001 | Soil contamination associated with former Trim Building 12-1 |
| AOC | C-12-002 | Soil contamination associated with former Control Building 12-2 |
| AOC | C-12-003 | Soil contamination associated with former Storage Building 12-3 |
| AOC | C-12-004 | Soil contamination associated with former Generator Building 12-5 |
| AOC | C-12-005 | Soil contamination associated with former Junction box 12-6 |
| TA-13 | | |
| SWMU | 13-001 | Firing site |
| SWMU | 13-002 | Landfill |
| SWMU | 13-003(a) | Soil contamination from a former septic tank |
| AOC | 13-003(b) | Drain field |
| SWMU | 13-004 | Disposal pit - existence not determined |
| TA-14 | | |
| AOC | 14-001(a) | Firing site |
| AOC | 14-001(b) | Firing site |
| AOC | 14-001(c) | Firing site |
| AOC | 14-001(d) | Firing site |
| AOC | 14-001(e) | Firing site |
| AOC | 14-001(f) | Firing site |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|--------------|-----------|--|
| AOC | 14-001(g) | Firing site |
| SWMU | 14-002(a) | Firing site |
| SWMU | 14-002(b) | Firing site |
| SWMU | 14-002(c) | Control Building 14--5 |
| SWMU | 14-002(d) | Firing site |
| SWMU | 14-002(e) | Firing site |
| SWMU | 14-002(f) | Soil contamination associated with former Junction Box 14-12 |
| SWMU | 14-003 | Open burning ground |
| AOC | 14-004(a) | Storage area |
| SWMU | 14-005 | Burn Cage for OB/OD unit TA-14-23 |
| SWMU | 14-006 | Sump and/or associated equipment |
| SWMU | 14-007 | Septic system |
| SWMU | 14-009 | Surface Disposal Site |
| SWMU | 14-010 | Soil contamination from former Sump and Drain lines |
| AOC | C-14-001 | Soil contamination associated with former Magazine 14-1 |
| AOC | C-14-002 | Soil contamination associate with former Building 14-3 |
| AOC | C-14-003 | Soil contamination associated with former Sturcture 14-4 |
| AOC | C-14-004 | Soil contamination associated with former Electronics Shop 14-7 |
| AOC | C-14-005 | Soil contamination associated with former Storage Building 14-8 |
| AOC | C-14-006 | Soil contamination associated with former Magazine 14-9 |
| AOC | C-14-007 | Soil contamination associated with former Storage Building 14-10 |
| AOC | C-14-008 | Soil contamination associated with former Magazine 14-11 |
| AOC | C-14-009 | Soil contamination associated with former Magazine 14-13 |
| TA-15 | | |
| AOC | 15-001 | Surface disposal Site |
| SWMU | 15-002 | Burn Site |
| SWMU | 15-003 | Phermex Firing Site (TA-15-184) |
| SWMU | 15-004(a) | Firing Site C |
| SWMU | 15-004(b) | Firing Site A |
| SWMU | 15-004(c) | Firing Site B |
| AOC | 15-004(d) | Firing site C |
| SWMU | 15-004(f) | Firing site E-F |
| SWMU | 15-004(g) | Firing site G |
| AOC | 15-004(h) | Firing site H |
| SWMU | 15-004(i) | The Gulch firing site |
| AOC | 15-005(b) | Container storage area |
| AOC | 15-005(c) | Container storage area (R-41) |
| SWMU | 15-006(a) | Phermex Firing Site (TA-15-184) |
| SWMU | 15-006(b) | Firing Site Ector |
| SWMU | 15-006(c) | Firing site (R-44) |
| SWMU | 15-006(d) | Firing site (R-45) |
| AOC | 15-006(e) | I-J Firing Site at TA-36 , duplicate of C-36-006(e) |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|------|-----------|--|
| SWMU | 15-007(a) | Material Disposal Area (MDA) N |
| SWMU | 15-007(b) | Material disposal area (MDA) Z |
| SWMU | 15-007(c) | Shaft |
| SWMU | 15-007(d) | Shaft |
| SWMU | 15-008(a) | Surface Disposal Site (E-F Site) |
| SWMU | 15-008(b) | Surface Disposal Site |
| SWMU | 15-008(c) | Surface Disposal Site |
| SWMU | 15-008(d) | Surface Disposal Site |
| AOC | 15-008(f) | I-J Firing site mounds at TA-36 |
| AOC | 15-008(g) | Surface Disposal Site |
| SWMU | 15-009(a) | Former structures - the Hollow |
| SWMU | 15-009(b) | Septic system |
| SWMU | 15-009(c) | Septic system |
| SWMU | 15-009(e) | Septic system |
| SWMU | 15-009(f) | Firing site septic system |
| SWMU | 15-009(g) | Septic system |
| SWMU | 15-009(h) | Septic system |
| SWMU | 15-009(i) | Septic system |
| SWMU | 15-009(k) | Firing site septic system (renumbered from 15-009(l)) |
| SWMU | 15-010(a) | Septic system |
| SWMU | 15-010(b) | Septic system |
| SWMU | 15-011(a) | Concrete Trench Drains |
| SWMU | 15-011(b) | Drainage channel |
| SWMU | 15-011(c) | Outfall |
| SWMU | 15-014(a) | Outfalls from Building 15-183 |
| SWMU | 15-014(b) | Outfalls from Building 15-183 |
| AOC | 15-014(d) | Drainage |
| AOC | 15-014(g) | Outfall from Building 15-203 |
| AOC | 15-014(h) | Outfalls from Building 15-40 |
| SWMU | 15-014(i) | Outfall from former Building 15-194 (renumbered from 15-012(f)) |
| SWMU | 15-014(j) | Outfalls from former Building 15-50 (renumbered from 15-012(g)) |
| SWMU | 15-014(k) | Outfalls from former Building 15-20 (renumbered from 15-012(d)) |
| SWMU | 15-014(l) | Outfalls from former Building 15-202 (renumbered from 15-012(e)) |
| AOC | C-15-001 | Contaminated soil near Firing Site |
| AOC | C-15-004 | Former Transformer Station |
| AOC | C-15-005 | Soil contamination associate with former laboratory and building |
| AOC | C-15-006 | Soil contamination associate with former Building 15-7 |
| AOC | C-15-007 | Non-intentional release area |
| AOC | C-15-010 | Former underground tank |
| AOC | C-15-011 | Former underground tank |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| TA-16 | | |
|--------------|------------------|---|
| SWMU | 16-001(a) | Tank |
| SWMU | 16-001(b) | Dry Wells |
| SWMU | 16-001(c) | Tank |
| SWMU | 16-001(d) | Dry well |
| SWMU | 16-001(e) | Dry Well |
| SWMU | 16-003(a) | Sump |
| SWMU | 16-003(b) | Sump |
| SWMU | 16-003(c) | Sump |
| SWMU | 16-003(d) | Sumps |
| SWMU | 16-003(e) | Sumps |
| SWMU | 16-003(f) | Sumps |
| SWMU | 16-003(g) | Sumps |
| SWMU | 16-003(h) | Sump |
| SWMU | 16-003(i) | Sump |
| SWMU | 16-003(j) | Sump |
| SWMU | 16-003(k) | Sumps |
| SWMU | 16-003(l) | Sumps |
| SWMU | 16-003(m) | Sump |
| SWMU | 16-003(n) | Sump |
| SWMU | 16-003(o) | Sumps |
| AOC | 16-003(p) | Sump |
| AOC | 16-003(q) | Sump |
| SWMU | 16-004(a) | Imhoff Tank |
| SWMU | 16-004(b) | Trickling Filter |
| SWMU | 16-004(c) | Tank |
| SWMU | 16-004(d) | Sludge Drying Bed |
| SWMU | 16-004(e) | Screen |
| SWMU | 16-004(f) | Sludge Drying Bed |
| SWMU | 16-005(a) | Septic tank |
| SWMU | 16-005(c) | Soil contamination from former septic tank |
| SWMU | 16-005(d) | Soil contamination from former septic tank |
| SWMU | 16-005(e) | Soil contamination from former septic tank |
| SWMU | 16-005(g) | Soil contamination from former Filter Bed |
| SWMU | 16-005(h) | Soil contamination from former septic tank |
| SWMU | 16-005(j) | Soil contamination from former septic tank |
| SWMU | 16-005(k) | Soil contamination from former septic tank |
| SWMU | 16-005(l) | Grease trap |
| SWMU | 16-005(m) | Soil contamination from former Sump |
| SWMU | 16-005(n) | Soil contamination from former septic tank |
| SWMU | 16-006(a) | Septic Tank |
| SWMU | 16-006(c) | Septic Tank |
| SWMU | 16-006(d) | Septic Tank |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|------|--------------|---|
| SWMU | 16-006(e) | Former Septic Tank |
| SWMU | 16-006(g) | Septic Tank |
| SWMU | 16-006(h) | Pump Pit |
| SWMU | 16-007(a) | Settling Ponds |
| SWMU | 16-008(a) | Settling Pond |
| SWMU | 16-009(a) | Former Burn site |
| SWMU | 16-010(a) | Burn Site |
| SWMU | 16-010(h) | Former Basket-Wash facility |
| SWMU | 16-010(i) | Burn Pad |
| SWMU | 16-010(k) | Former trough |
| SWMU | 16-010(l) | Former trough |
| SWMU | 16-010(m) | Former trough |
| SWMU | 16-010(n) | Former trough |
| AOC | 16-011 | Former Incinerator |
| SWMU | 16-013 | Container Storage Area |
| SWMU | 16-015(a) | Soil contamination from former Men's locker room and laundry facility |
| SWMU | 16-015(b) | Soil contamination associated with former Steam-washing facility |
| AOC | 16-015(c) | Soil contamination from former Building 16-36 |
| AOC | 16-015(d) | Soil contamination from former steam-cleaning Building 16-51 |
| SWMU | 16-016(a) | Landfill - buried metal site |
| SWMU | 16-016(b) | Surface Disposal Site |
| SWMU | 16-016(c) | Soil contamination from former Barium Nitrate Storage Area/Pile |
| SWMU | 16-016(d) | Surface disposal site |
| SWMU | 16-016(e) | Surface disposal site |
| AOC | 16-016(f) | Surface Disposal Site |
| SWMU | 16-016(g) | Surface disposal site |
| SWMU | 16-017(a)-99 | Soil contamination from former HE Machining Building 16-92 |
| SWMU | 16-017(b)-99 | Soil contamination from former HE Machining Building 16-93 |
| SWMU | 16-017(c)-99 | Soil contamination from former HE Machining Building 16-91 |
| SWMU | 16-017(d)-99 | Soil contamination from former HE Machining Building 16-90 |
| SWMU | 16-017(e)-99 | Soil contamination from former HE Machining Building 16-89 |
| SWMU | 16-017(f)-99 | Soil contamination from former HE Machining Building 16-99 |
| SWMU | 16-017(g)-99 | Former storage magazine |
| SWMU | 16-017(h)-99 | Soil contamination from former HE Casting Building 16-27 |
| SWMU | 16-017(i)-99 | Former storage building |
| SWMU | 16-017(j)-99 | Former storage magazine 16-63 |
| SWMU | 16-017(k)-99 | Former storage magazine 16-78 |
| SWMU | 16-017(l)-99 | Former storage magazine 16-77 |
| SWMU | 16-017(m)-99 | Former storage magazine 16-76 |
| SWMU | 16-017(n)-99 | Former storage magazine 16-75 |
| SWMU | 16-017(o)-99 | Former storage magazine 16-59 |
| SWMU | 16-017(p)-99 | Former storage magazine 16-61 |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|------|--------------|---|
| SWMU | 16-017(q)-99 | Storage Magazine |
| SWMU | 16-017(r)-99 | Former Assembly Site/Storage Building 16-520 |
| SWMU | 16-017(s)-99 | Former Assembly Site/Storage Building 16-519 |
| SWMU | 16-017(t)-99 | Former Assembly Site/Storage Building 16-516 |
| SWMU | 16-017(u)-99 | Soil contamination from former Storage and Support Structure 16-164 |
| SWMU | 16-017(v)-99 | Soil contamination from former HE Processing Building |
| SWMU | 16-017(w)-99 | Former Storage Magazine 16-73 |
| SWMU | 16-017(x)-99 | Soil Contamination from former Storage Magazine 16-79 |
| SWMU | 16-019 | Material disposal area (MDA) R (includes SWMU 16-009(b)) |
| SWMU | 16-020 | Outfall from former 16-222 |
| SWMU | 16-021(a) | Operational release associated with Building 16-450 |
| AOC | 16-021(b) | Operational Release |
| SWMU | 16-021(c) | Outfall associated with Building 16-260 |
| AOC | 16-022(a) | Former Underground Storage Tank |
| AOC | 16-022(b) | Former Underground Storage Tank |
| AOC | 16-023(b) | Soil contamination from former Incinerator |
| AOC | 16-024(a) | Soil contamination from former Magazine 16-488 |
| AOC | 16-024(b) | Soil contamination from former Magazine 16-74 |
| AOC | 16-024(c) | Soil contamination from former Magazine 16-30 |
| AOC | 16-024(d) | Soil contamination from former Magazine 16-34 |
| SWMU | 16-024(e) | Soil contamination from former Magazine 16-33 |
| AOC | 16-024(f) | Soil contamination from former Magazine 16-493 |
| AOC | 16-024(g) | Soil contamination from former Magazine 16-494 |
| AOC | 16-024(h) | Soil contamination from former Magazine 16-497 |
| AOC | 16-024(i) | Soil contamination from former Magazine 16-64 |
| AOC | 16-024(j) | Soil contamination from former Magazine 16-65 |
| AOC | 16-024(k) | Soil contamination from former Magazine 16-57 |
| AOC | 16-024(l) | Soil contamination from former Magazine 16-72 |
| AOC | 16-024(m) | Soil contamination from former Magazine 16-66 |
| AOC | 16-024(n) | Soil contamination from former Magazine 16-84 |
| AOC | 16-024(o) | Soil contamination from former Magazine 16-67 |
| AOC | 16-024(p) | Soil contamination from former Magazine 16-70 |
| AOC | 16-024(q) | Soil contamination from former Magazine 16-71 |
| AOC | 16-024(r) | Soil contamination from former Magazine 16-68 |
| AOC | 16-024(s) | Soil contamination from former Magazine 16-60 |
| AOC | 16-024(t) | Soil contamination from former Magazine 16-464 |
| AOC | 16-024(u) | Soil contamination from former Magazine 16-481 |
| AOC | 16-024(v) | Soil contamination from former Magazine 16-62 |
| SWMU | 16-025(a) | Soil contamination from former Radiography Building 16-39 |
| SWMU | 16-025(a2) | Soil contamination from former HE casting Building 16-50 |
| SWMU | 16-025(b) | Soil contamination from former Radiography Building 16-40 |
| SWMU | 16-025(b2) | Soil contamination from former HE casting Building 16-52 |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|------|------------|---|
| SWMU | 16-025(c2) | Soil contamination from former Building 16-56 |
| SWMU | 16-025(d) | Soil contamination from former Equipment and Control Building 16-94 |
| SWMU | 16-025(d2) | Soil contamination from former Structure 16-480 |
| SWMU | 16-025(e) | Soil contamination from former HE Machining building 16-31 |
| SWMU | 16-025(f) | Soil contamination from former HE Machining building 16-32 |
| SWMU | 16-025(g) | Soil contamination from former HE machining Building 16-95 |
| SWMU | 16-025(h) | Soil contamination from former HE Machining Building 16-96 |
| SWMU | 16-025(i) | Soil contamination from former HE Machining Building 16-97 |
| SWMU | 16-025(j) | Soil contamination from former HE Machining Building 16-98 |
| SWMU | 16-025(k) | Soil contamination from former HE Powder Inspection Building 16-25 |
| SWMU | 16-025(l) | Soil contamination from former HE Casting Building 16-26 |
| SWMU | 16-025(m) | Soil contamination from former X-ray hutment 16-495 |
| SWMU | 16-025(n) | Soil contamination from former X-ray hutment 16-499 |
| SWMU | 16-025(o) | Soil contamination from former X-ray hutment 16-500 |
| SWMU | 16-025(p) | Soil contamination from former HE processing Building 16-44 |
| SWMU | 16-025(q) | Soil contamination from former HE processing Building 16-45 |
| SWMU | 16-025(r) | Soil contamination from former Rest House 16-46 |
| SWMU | 16-025(s) | Soil contamination from former Radium Source Building 16-48 |
| SWMU | 16-025(t) | Soil contamination from former HE equipment casting Building 16-38 |
| SWMU | 16-025(u) | Soil contamination from former HE processing Building 16-42 |
| SWMU | 16-025(v) | Soil contamination from former HE processing Building 16-81 |
| SWMU | 16-025(w) | Soil contamination from former Building 16-81 |
| SWMU | 16-025(x) | Soil contamination from former Electroplating Laboratory 16-100 |
| SWMU | 16-025(y) | Soil contamination from former HE grinding facility 16-55 |
| SWMU | 16-025(z) | Soil contamination from former HE explosives Testing Building 16-37 |
| SWMU | 16-026(a) | Outfall from Building 16-370 |
| SWMU | 16-026(b) | Outfall from Structure 16-307 |
| SWMU | 16-026(b2) | Outfall from Building 16-202 |
| SWMU | 16-026(c) | Outfall from Building 16-305 Drain |
| SWMU | 16-026(c2) | Outfall from Building 16-462 |
| SWMU | 16-026(d) | Outfall from Building 16-303 |
| SWMU | 16-026(e) | Outfall from Structure 16-301 |
| SWMU | 16-026(f) | Outfall from Building 16-308 |
| SWMU | 16-026(g) | Outfall from Structure 16-280 |
| SWMU | 16-026(h2) | Outfall associated with Building 16-360 |
| SWMU | 16-026(i) | Outfall from former Building 16-224 |
| SWMU | 16-026(j) | Outfall from former Building 16-226 |
| SWMU | 16-026(j2) | Outfall from former Building 16-345 |
| SWMU | 16-026(k2) | Outfall from former Building 16-260 |
| SWMU | 16-026(l) | Outfalls associated with former Building 16-220 |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|------|------------|--|
| SWMU | 16-026(m) | Outfall associated with former Building 16-92 |
| SWMU | 16-026(n) | Outfall associated with former Building 16-91 |
| SWMU | 16-026(o) | Outfall associated with former Building 16-90 |
| SWMU | 16-026(p) | Outfall associated with former Building 16-89 |
| SWMU | 16-026(q) | Outfall from former Building 16-27 |
| SWMU | 16-026(r) | Outfall from Building 16-180 Drain |
| SWMU | 16-026(s) | Outfall from Building 16-5 |
| SWMU | 16-026(u) | Outfall from former Building 16-195 Drain |
| SWMU | 16-026(v) | Outfall from Building 16-460 |
| SWMU | 16-026(w) | Outfall from former Building 16-45 |
| SWMU | 16-026(y) | Outfall from Building 16-411 |
| SWMU | 16-026(z) | Outfall from Building 16-306 |
| AOC | 16-027(a) | Transformer |
| AOC | 16-027(b) | Transformer |
| AOC | 16-027(c) | Transformer |
| AOC | 16-027(d) | Transformer |
| SWMU | 16-028(a) | Drainage Channel |
| SWMU | 16-028(b) | Outfall from Building 16-370 |
| SWMU | 16-028(c) | Outfall from former Building 16-220 |
| SWMU | 16-028(d) | Outfall from former Building 16-202 |
| SWMU | 16-028(e) | Outfall associated with Building 16-450 |
| SWMU | 16-029(a) | Sumps |
| SWMU | 16-029(a2) | Sump |
| SWMU | 16-029(b) | Sumps |
| SWMU | 16-029(b2) | Sump |
| SWMU | 16-029(c) | Sumps |
| SWMU | 16-029(c2) | Sumps |
| SWMU | 16-029(d) | Sumps |
| SWMU | 16-029(d2) | Sumps |
| SWMU | 16-029(e) | Sump |
| SWMU | 16-029(e2) | Sumps |
| SWMU | 16-029(f) | Sump |
| SWMU | 16-029(f2) | Soil contamination from former Sump and Outfall from former Building 16-24 |
| SWMU | 16-029(g) | Former Sump |
| SWMU | 16-029(g2) | Pit |
| SWMU | 16-029(h) | Outfall from former Building 16-478 |
| SWMU | 16-029(h2) | Soil contamination from former manhole associated with former Buildings 16-95, -96, -97, -98 |
| SWMU | 16-029(i) | Sump |
| SWMU | 16-029(j) | Sump |
| SWMU | 16-029(k) | Sumps |
| SWMU | 16-029(l) | Sumps |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|------|-----------|---|
| SWMU | 16-029(m) | Soil contamination from former Sump |
| SWMU | 16-029(n) | Soil contamination from former Sump |
| SWMU | 16-029(o) | Soil contamination from former Sump |
| SWMU | 16-029(p) | Soil contamination from former Sump |
| SWMU | 16-029(q) | Former Sump |
| SWMU | 16-029(r) | Outfall from former Building 16-25 |
| SWMU | 16-029(s) | Sumps |
| SWMU | 16-029(t) | Sumps |
| SWMU | 16-029(u) | Sumps |
| SWMU | 16-029(v) | Sump |
| SWMU | 16-029(w) | Soil contamination from former Sump |
| SWMU | 16-029(x) | Sump |
| SWMU | 16-029(y) | Sump |
| SWMU | 16-029(z) | Sumps |
| SWMU | 16-030(a) | Outfall from former Building 16-344 |
| SWMU | 16-030(c) | Outfall from former Building 16-222 |
| AOC | 16-030(d) | Outfall from former Building 16-280 |
| AOC | 16-030(g) | Outfall from Building 16-380 |
| SWMU | 16-030(h) | Outfalls from Building 16-430 |
| SWMU | 16-031(a) | Outfall from cooling tower 16-372 |
| SWMU | 16-031(b) | Outfall from former cooling tower 16-262 |
| SWMU | 16-031(c) | Outfall associated with former Building 16-515 |
| SWMU | 16-031(d) | Outfall from former cooling tower 16-28 |
| SWMU | 16-031(e) | Outfall from Building 16-560 |
| SWMU | 16-031(f) | Outfall from Building 16-21 |
| SWMU | 16-031(h) | Outfall from former Building 16-478 |
| SWMU | 16-032(a) | Sumps |
| SWMU | 16-032(c) | Sumps, drainlines, and outfall from former Building 16-26 |
| AOC | 16-033(a) | Soil contamination from former Underground tank |
| AOC | 16-033(b) | Soil contamination from former Underground tank |
| AOC | 16-033(c) | Soil contamination from former Underground tank |
| AOC | 16-033(d) | Soil contamination from former Underground tank |
| AOC | 16-033(e) | Underground tanks |
| AOC | 16-033(f) | Soil contamination from former Underground tank |
| AOC | 16-033(g) | Soil contamination from former Underground tank |
| AOC | 16-033(h) | Soil contamination from former Underground tank |
| AOC | 16-033(i) | Soil contamination from former Underground tank |
| AOC | 16-033(j) | Soil contamination from former Underground tank |
| AOC | 16-033(k) | Underground storage tank |
| SWMU | 16-034(a) | Soil contamination from former Laboratory 16-24 |
| SWMU | 16-034(b) | Soil contamination from former Building 16-490 |
| SWMU | 16-034(c) | Soil contamination from former Storage Hut 16-491 |
| SWMU | 16-034(d) | Soil contamination from former Machine Shop 16-492 |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|------|-----------|---|
| SWMU | 16-034(e) | Soil contamination from former Storage Building 16-496 |
| SWMU | 16-034(f) | Soil contamination from former Laboratory 16-498 |
| SWMU | 16-034(h) | Soil contamination from former Plumbing and Electrical Shop, 16-137 |
| SWMU | 16-034(i) | Soil contamination from former Laboratory 16-141 |
| SWMU | 16-034(j) | Soil contamination from former Structure |
| SWMU | 16-034(k) | Soil contamination from former Laboratory 16-140 |
| SWMU | 16-034(l) | Soil contamination from former Equipment and Control Building 16-47 |
| SWMU | 16-034(m) | Soil contamination from former Laboratory 16-86 |
| SWMU | 16-034(n) | Soil contamination from former Laboratory 16-83 |
| SWMU | 16-034(o) | Soil contamination from former Laboratory 16-49 |
| SWMU | 16-034(p) | Soil contamination from former Laboratory 16-41 |
| SWMU | 16-035 | Soil contamination from former Control Bunker 16-2 (Renumbered to 16-476) |
| SWMU | 16-036 | Soil contamination from Battleship Bunkers 16-477 and -478 |
| AOC | 16-037 | Aboveground Tank – Existence not verified |
| AOC | C-16-001 | Building (former Platform) |
| AOC | C-16-002 | Soil contamination from former Cooling Tower 16-262 |
| AOC | C-16-005 | Soil contamination from former HE Processing Building 16-53 |
| AOC | C-16-006 | Soil contamination from former Solvent Storage Building 16-148 |
| AOC | C-16-008 | Soil contamination associated with former Structure 16-136 |
| AOC | C-16-009 | Soil contamination associated with former Building 16-134 |
| AOC | C-16-010 | Soil contamination associated with former Building 16-135 |
| AOC | C-16-011 | Soil contamination from former Paint Shop TA-16-132 |
| AOC | C-16-012 | Soil contamination associated with former Building 16-138 |
| AOC | C-16-013 | Soil contamination associated with former Storage Area |
| AOC | C-16-014 | Soil contamination associated with former Structure 16-144 |
| AOC | C-16-015 | Soil contamination associated with former Structure 16-143 |
| AOC | C-16-016 | Soil contamination associated with former Structure 16-142 |
| AOC | C-16-017 | Soil contamination associated with former Structure 16-502 |
| AOC | C-16-018 | Soil contamination associated with former Aboveground Tank |
| AOC | C-16-019 | Soil contamination associated with former Structure 16-19 |
| AOC | C-16-020 | Soil contamination associated with former Structure 16-22 |
| SWMU | C-16-025 | Soil contamination associated with former Structure 16-8 |
| SWMU | C-16-026 | Soil contamination associated with former Structure 16-6 |
| AOC | C-16-028 | Soil contamination from Instrument Shop 16-5 |
| AOC | C-16-030 | Soil contamination associated with former Tank Housing 16-181 |
| AOC | C-16-031 | Soil contamination associated with former Diesel Unit Building 16-182 |
| AOC | C-16-034 | Soil contamination associated with Aboveground Tank |
| AOC | C-16-035 | Soil contamination associated with Aboveground Tank |
| AOC | C-16-036 | Soil contamination associated with former Septic System |
| AOC | C-16-041 | Soil contamination associated with former Building 16-198 |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|--------------|-----------|--|
| AOC | C-16-044 | Soil contamination associated with former Manhole |
| AOC | C-16-046 | Soil contamination associated with former Manhole |
| AOC | C-16-047 | Soil contamination associated with former Transport area |
| AOC | C-16-049 | Soil contamination associated with former Building 16-475 |
| AOC | C-16-050 | Soil contamination associated with former Building 16-482 |
| AOC | C-16-051 | Soil contamination associated with former Transport area |
| AOC | C-16-058 | Soil contamination associated with former Transport area |
| AOC | C-16-060 | Soil contamination associated with former Storage Structure 16-479 |
| AOC | C-16-061 | Soil contamination associated with Building (Former platform) |
| AOC | C-16-062 | Soil contamination associated with former Electrical Manhole |
| AOC | C-16-063 | Soil contamination associated with former Electrical Manhole |
| AOC | C-16-064 | Drum storage area |
| AOC | C-16-065 | Container storage area |
| AOC | C-16-067 | Storage area |
| AOC | C-16-068 | Soil contamination associated with former Building 16-522 |
| AOC | C-16-069 | Soil contamination associated with former Trailer 16-87 |
| AOC | C-16-070 | Underground tank |
| AOC | C-16-071 | Spill/Non-intentional release area |
| AOC | C-16-072 | Tank -- Existence not verified |
| AOC | C-16-073 | Underground Storage Tank |
| AOC | C-16-074 | Storage Area |
| AOC | C-16-075 | Spill location near Building 16-340 |
| AOC | C-16-076 | Magazine Area A (former TA-28) |
| AOC | C-16-077 | Magazine Area B (former TA-29) |
| TA-18 | | |
| SWMU | 18-001(a) | Lagoons |
| SWMU | 18-001(b) | Drainlines |
| SWMU | 18-001(c) | Sump |
| SWMU | 18-002(a) | Firing site |
| SWMU | 18-002(b) | Firing site |
| AOC | 18-002(c) | Former Drop Tower |
| SWMU | 18-003(a) | Settling Pit |
| SWMU | 18-003(b) | Septic System |
| SWMU | 18-003(c) | Septic system |
| SWMU | 18-003(d) | Septic system |
| SWMU | 18-003(e) | Septic system |
| SWMU | 18-003(f) | Septic system |
| SWMU | 18-003(g) | Septic system |
| SWMU | 18-003(h) | Septic system |
| SWMU | 18-004(a) | Waste line |
| SWMU | 18-004(b) | Soil contamination from former Tanks and Pit |
| SWMU | 18-005(a) | Contaminated soil from former magazine 18-15 |

Table K-1
SWMUs and AOCs Requiring Corrective Action

| | | |
|--------------|-----------|---|
| AOC | 18-006 | Storage Pipe |
| AOC | 18-008 | Former Underground tank |
| AOC | 18-010(b) | Outfall |
| AOC | 18-010(c) | Outfall |
| AOC | 18-010(d) | Outfall |
| AOC | 18-010(e) | Outfall |
| AOC | 18-010(f) | Outfall from Building 18-32 |
| AOC | 18-011 | Soil contamination from former Building 18-22 |
| SWMU | 18-012(a) | Outfall from Building 18-116 |
| SWMU | 18-012(b) | Outfall from Buildings 18-30 and -31 |
| AOC | 18-012(c) | Sump and drainlines |
| AOC | 18-013 | Waste Tank |
| TA-19 | | |
| SWMU | 19-001 | Septic System |
| SWMU | 19-002 | Surface Disposal Site |
| SWMU | 19-003 | Drainline and Outfall Associated with former Building 19-05 |
| TA-20 | | |
| SWMU | 20-001(a) | Landfill |
| SWMU | 20-001(b) | Landfill |
| SWMU | 20-001(c) | Firing Site |
| SWMU | 20-002(a) | Firing Site |
| SWMU | 20-002(b) | Landfill |
| SWMU | 20-002(c) | Firing site |
| SWMU | 20-002(d) | Firing site |
| AOC | 20-003(b) | Firing site |
| AOC | 20-003(c) | Firing site |
| AOC | 20-004 | Former Septic system |
| SWMU | 20-005 | Septic tank |
| TA-21 | | |
| AOC | 21-001 | Container Storage Area |
| SWMU | 21-002(a) | Container Storage Area |
| AOC | 21-002(b) | Container Storage |
| SWMU | 21-003 | Container Storage Area |
| AOC | 21-004(a) | Aboveground tank |
| SWMU | 21-004(b) | Aboveground tank |
| SWMU | 21-004(c) | Aboveground tank |
| SWMU | 21-006(a) | Underground Seepage Pit |
| SWMU | 21-006(b) | Underground Seepage pit |
| SWMU | 21-006(c) | Underground Seepage pit |
| SWMU | 21-006(d) | Underground Seepage pit |
| SWMU | 21-006(e) | Underground Seepage pit |
| AOC | 21-006(f) | Underground Seepage pit |
| SWMU | 21-007 | Soil contamination from former incinerators |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|------|-----------|--|
| AOC | 21-009 | Soil contamination associated with former Waste treatment laboratory |
| SWMU | 21-010(a) | Soil contamination associated with former Waste treatment facility 21-35 |
| SWMU | 21-010(b) | Soil contamination from former manhole |
| SWMU | 21-010(c) | Soil contamination from former Underground Tank |
| SWMU | 21-010(d) | Soil contamination from former Underground Tank |
| SWMU | 21-010(e) | Soil contamination from former Septic Tank |
| SWMU | 21-010(f) | Soil contamination from former Grit Chamber |
| SWMU | 21-010(g) | Soil contamination from former Aboveground Tank |
| SWMU | 21-010(h) | Soil contamination from former Manhole |
| SWMU | 21-011(a) | Waste Treatment Facility 21-257 |
| SWMU | 21-011(b) | Sump |
| SWMU | 21-011(c) | Tank and Sump |
| SWMU | 21-011(d) | Holding Tank |
| SWMU | 21-011(e) | Holding Tank |
| SWMU | 21-011(f) | Holding Tank |
| SWMU | 21-011(g) | Holding Tank |
| AOC | 21-011(h) | Soil contamination from former storage tank |
| SWMU | 21-011(i) | Storage Tank |
| SWMU | 21-011(j) | Storage Tank |
| SWMU | 21-011(k) | Outfall from Building 21-257 |
| SWMU | 21-012(b) | Dry well |
| SWMU | 21-013(a) | Surface Disposal Site |
| SWMU | 21-013(b) | Surface Disposal Site |
| SWMU | 21-013(c) | Surface disposal site |
| SWMU | 21-013(d) | Surface disposal site |
| SWMU | 21-013(e) | Surface disposal site |
| AOC | 21-013(f) | Surface disposal site |
| AOC | 21-013(g) | Surface disposal site |
| SWMU | 21-014 | Material disposal area (MDA) A |
| SWMU | 21-015 | Material disposal area (MDA) B |
| SWMU | 21-016(a) | Absorption Beds (MDA T) |
| SWMU | 21-016(b) | Soil contamination from a former Storage Pit (MDA T) |
| SWMU | 21-016(c) | Shafts (MDA T) |
| SWMU | 21-017(a) | Absorption Bed (MDA U) |
| SWMU | 21-017(b) | Absorption Bed (MDA U) |
| SWMU | 21-017(c) | Soil contamination from former distribution box (MDA U) |
| SWMU | 21-018(a) | Absorption Beds (MDA V) |
| SWMU | 21-018(b) | Soil contamination from former Laundry Facility (MDA V) |
| SWMU | 21-021 | Soil contamination from Stack Emissions |
| SWMU | 21-022(a) | Sump and waste lines |
| SWMU | 21-022(b) | Soil contamination from former Sump and Waste line |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|------|-----------|--|
| SWMU | 21-022(c) | Soil contamination from former Sump and Waste line |
| SWMU | 21-022(d) | Soil contamination from former Sump and Waste line |
| SWMU | 21-022(e) | Soil contamination from former Sump and Waste line |
| SWMU | 21-022(f) | Sump and Waste line |
| SWMU | 21-022(g) | Soil contamination from former Sump and Waste line |
| SWMU | 21-022(h) | Sump and Waste line |
| SWMU | 21-022(i) | Sump and Waste line |
| SWMU | 21-022(j) | Former Sump and Waste line |
| SWMU | 21-023(a) | Soil contamination from former Septic System |
| SWMU | 21-023(b) | Soil contamination from former Septic System |
| SWMU | 21-023(c) | Septic System |
| SWMU | 21-023(d) | Soil contamination from former Septic System |
| SWMU | 21-024(a) | Septic system |
| SWMU | 21-024(b) | Septic system |
| SWMU | 21-024(c) | Septic system |
| SWMU | 21-024(d) | Septic system |
| SWMU | 21-024(e) | Septic system |
| SWMU | 21-024(f) | Former Septic system |
| SWMU | 21-024(g) | Septic system |
| SWMU | 21-024(h) | Septic system |
| SWMU | 21-024(i) | Former Septic system |
| SWMU | 21-024(j) | Septic system |
| SWMU | 21-024(k) | Septic system |
| SWMU | 21-024(l) | Outfall from Building 21-21 |
| SWMU | 21-024(n) | Drainline |
| SWMU | 21-024(o) | Drainline |
| SWMU | 21-026(a) | Sewage treatment plant |
| SWMU | 21-026(b) | Sand Filter/Sludge drying beds |
| AOC | 21-026(c) | Dosing Siphon Chamber |
| AOC | 21-026(d) | Outfall from Building 21-227 |
| SWMU | 21-027(a) | Drainage System |
| SWMU | 21-027(c) | Outfall from former Building 21-6 |
| SWMU | 21-027(d) | Soil contamination from former drainline |
| AOC | 21-028(a) | Container storage Area |
| AOC | 21-028(c) | Container Storage Area |
| AOC | 21-028(d) | Container Storage Area |
| SWMU | 21-029 | Former DP Tank Farm |
| AOC | C-21-001 | Spill/Non-intentional release area |
| AOC | C-21-005 | Spill/Non-intentional release area |
| AOC | C-21-006 | Spill/Non-intentional release area |
| AOC | C-21-007 | Spill/Non-intentional release area |
| AOC | C-21-009 | Spill/Non-intentional release area |
| AOC | C-21-012 | Spill/Non-intentional release area |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|--------------|------------|--|
| AOC | C-21-027 | Former structure 21-143 |
| AOC | C-21-033 | Spill/Non-intentional release area |
| AOC | C-21-034 | Soil contamination associated with former Tank |
| AOC | C-21-035 | Soil contamination associated with former Aboveground tank |
| AOC | C-21-036 | Soil contamination associated with former Aboveground tank |
| AOC | C-21-037 | Soil contamination associated with former Aboveground tank |
| TA-22 | | |
| SWMU | 22-010(a) | Septic system |
| SWMU | 22-010(b) | Septic system |
| SWMU | 22-011 | Disposal pit |
| SWMU | 22-012 | Decontamination pad |
| SWMU | 22-014(a) | Sump System |
| SWMU | 22-014(b) | Sump System |
| SWMU | 22-015(a) | Drainlines and Dry Wells |
| SWMU | 22-015(b) | Sump and outfall |
| SWMU | 22-015(c) | Outfall from Building 22-52 |
| SWMU | 22-015(d) | Drainline and outfall associated with Building 22-1 |
| SWMU | 22-015(e) | Sump |
| SWMU | 22-016 | Septic system |
| TA-26 | | |
| SWMU | 26-001 | Surface disposal site |
| SWMU | 26-002(a) | Soil contamination from former acid sump system |
| SWMU | 26-002(b) | Drainline associated with Vault 26-1 |
| SWMU | 26-003 | Septic tank |
| TA-27 | | |
| SWMU | 27-002 | Firing sites |
| SWMU | 27-003 | Bazooka impact area (Same as AOC 36-009) |
| TA-31 | | |
| SWMU | 31-001 | Soil Contamination from former Septic Tank |
| TA-32 | | |
| SWMU | 32-001 | Soil contamination from former Incinerator |
| SWMU | 32-002(a) | Soil contamination from former septic tank |
| SWMU | 32-002(b1) | Soil contamination from former septic tank |
| SWMU | 32-002(b2) | Soil contamination from former septic tank |
| SWMU | 32-003 | Former Transformer Station |
| SWMU | 32-004 | Drainline and outfall from former Building 32-3 |
| TA-33 | | |
| SWMU | 33-001(a) | Disposal Pit (MDA E) |
| SWMU | 33-001(b) | Disposal Pit (MDA E) |
| SWMU | 33-001(c) | Disposal Pit (MDA E) |
| SWMU | 33-001(d) | Disposal Pit (MDA E) |
| SWMU | 33-001(e) | Soil contamination from underground chamber and shaft (MDA |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | E) |
|------|-----------|--|
| SWMU | 33-002(a) | Septic System (MDA K) |
| SWMU | 33-002(b) | Sump (MDA K) |
| SWMU | 33-002(c) | Sump (MDA K) |
| SWMU | 33-002(d) | Drainline and outfall from former Building 33-86 (MDA K) |
| SWMU | 33-002(e) | Drainline and outfall from former Building 33-86 (MDA K) |
| SWMU | 33-003(a) | Soil contamination from former underground chamber and shaft (MDA D) |
| SWMU | 33-003(b) | Soil contamination from former underground chamber and shaft (MDA D) |
| SWMU | 33-004(a) | Septic System |
| SWMU | 33-004(b) | Septic system |
| SWMU | 33-004(c) | Septic system |
| SWMU | 33-004(d) | Septic system |
| SWMU | 33-004(e) | Drainline and outfall associated with Building 33-16 |
| SWMU | 33-004(f) | Drainline and outfall associated with Building 33-20 |
| SWMU | 33-004(g) | Drainline and outfall associated with Building 33-39 |
| SWMU | 33-004(h) | Outfall from Building 33-26 |
| SWMU | 33-004(i) | Drainline and Outfall Associated with Structure 33-87 |
| SWMU | 33-004(j) | Septic Tank and Leach Field |
| SWMU | 33-005(a) | Soil contamination from former Septic System |
| SWMU | 33-005(b) | Soil Contamination from former Drainline |
| SWMU | 33-005(c) | Soil Contamination from former Waste Line and Leach Field |
| SWMU | 33-006(a) | Firing site |
| SWMU | 33-006(b) | Firing site |
| SWMU | 33-007(a) | Firing site |
| SWMU | 33-007(b) | Firing Sites |
| SWMU | 33-007(c) | Firing Sites |
| SWMU | 33-008(a) | Landfill |
| SWMU | 33-008(b) | Landfill |
| SWMU | 33-008(c) | Landfill |
| SWMU | 33-009 | Surface disposal site |
| SWMU | 33-010(a) | Surface disposal site |
| SWMU | 33-010(b) | Surface disposal site |
| SWMU | 33-010(c) | Surface disposal site |
| SWMU | 33-010(d) | Surface disposal site |
| SWMU | 33-010(e) | Surface Disposal Site (MDA K) |
| SWMU | 33-010(f) | Surface disposal site |
| SWMU | 33-010(g) | Surface disposal site |
| SWMU | 33-010(h) | Surface disposal site |
| SWMU | 33-011(a) | Soil contamination from former Storage Area |
| AOC | 33-011(b) | Storage Area |
| SWMU | 33-011(c) | Storage Area |
| SWMU | 33-011(d) | Storage Area |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|--------------|--------------|---|
| SWMU | 33-011(e) | Storage Area |
| SWMU | 33-012(a) | Drum storage area |
| SWMU | 33-013 | Drum storage area |
| SWMU | 33-014 | Burn Site |
| SWMU | 33-015 | Incinerator |
| SWMU | 33-016 | Sump |
| SWMU | 33-017 | Operations release |
| AOC | C-33-001 | Former Transformer |
| AOC | C-33-002 | Former Transformer |
| AOC | C-33-003 | Soil contamination |
| TA-35 | | |
| SWMU | 35-002 | Material disposal area (MDA X) |
| SWMU | 35-003(a) | Former underground storage tank |
| SWMU | 35-003(b) | Former underground storage tank |
| SWMU | 35-003(c) | Former underground storage tank |
| SWMU | 35-003(d) | Soil contamination from former Building 35-10 |
| SWMU | 35-003(e) | Soil contamination from former storage tank |
| SWMU | 35-003(f) | Soil contamination from former flocculator tank |
| SWMU | 35-003(g) | Soil contamination from former Regenerate tank |
| SWMU | 35-003(h) | Soil contamination from former Retention tank |
| SWMU | 35-003(j) | Soil contamination from former storage tank |
| SWMU | 35-003(k) | Soil contamination from former storage tank |
| SWMU | 35-003(l) | Soil Contamination from former Pump Pit |
| SWMU | 35-003(m) | Soil contamination from former Sludge tank |
| SWMU | 35-003(n) | Former phase separator pit |
| SWMU | 35-003(o) | Soil contamination from former manhole |
| SWMU | 35-003(p) | Former air-filter building |
| SWMU | 35-003(q) | Soil contamination from former pipe trench |
| AOC | 35-003(r) | Outfall associated with former Building 35-10 |
| AOC | 35-003(misc) | Soil contamination from former Industrial Waste lines |
| SWMU | 35-004(a) | Container Storage Area |
| SWMU | 35-004(b) | Container Storage Area |
| SWMU | 35-004(g) | Container Storage Area |
| SWMU | 35-004(h) | Container storage area |
| AOC | 35-004(m) | Container storage area |
| SWMU | 35-008 | Surface disposal site |
| SWMU | 35-009(a) | Septic system |
| SWMU | 35-009(b) | Septic system |
| SWMU | 35-009(c) | Septic system |
| SWMU | 35-009(d) | Septic system |
| SWMU | 35-009(e) | Drainline |
| SWMU | 35-010(a) | Wastewater Treatment Lagoons |
| SWMU | 35-010(b) | Wastewater Treatment Lagoons |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|--------------|------------|---|
| SWMU | 35-010(c) | Wastewater Treatment Lagoons |
| SWMU | 35-010(d) | Filter Beds |
| AOC | 35-010(e) | Discharge headwall and sand filter associated with Structure 35-215 (includes 35-010(misc)) |
| SWMU | 35-013(a) | Sumps |
| SWMU | 35-013(b) | Sumps |
| SWMU | 35-013(c) | Sumps |
| SWMU | 35-014(a) | Operational release from former Building 35-7 |
| SWMU | 35-014(b) | Soil contamination from leaking drum |
| AOC | 35-014(d) | Soil contamination from Valve system for former storage tanks |
| SWMU | 35-014(e) | Spill/Non-intentional release area |
| AOC | 35-014(e2) | Soil contamination associated with overflows from waste oil impoundment |
| AOC | 35-014(f) | Soil contamination from oil-handling system |
| SWMU | 35-014(g) | Spill/Non-intentional release area |
| AOC | 35-014(g2) | Soil contamination from former leaking containers |
| AOC | 35-014(g3) | Spill/Non-intentional release area |
| SWMU | 35-015(a) | Soil contamination from former tank farm and waste-oil treatment facility |
| SWMU | 35-015(b) | Soil contamination from former waste oil treatment facility |
| SWMU | 35-016(a) | Drain and outfall from Building 35-34 |
| AOC | 35-016(b) | Drain and Outfall from Building 35-87 |
| SWMU | 35-016(c) | Drain and Outfall from Building 35-67 |
| SWMU | 35-016(d) | Drain and Outfall from Building 35-46 |
| AOC | 35-016(e) | Drain and Outfall from Building 35-85 |
| AOC | 35-016(f) | Storm drain and Outfall |
| AOC | 35-016(g) | Drain and Outfall from Building 35-213 |
| AOC | 35-016(h) | Storm drains and Outfall associated with Building 35-213 |
| SWMU | 35-016(i) | Storm drains and Outfall |
| AOC | 35-016(j) | Storm drain and Outfall associated with Building 35-125 |
| SWMU | 35-016(k) | Drainline and outfall from Building 35-29 |
| AOC | 35-016(l) | Storm drains |
| SWMU | 35-016(m) | Drain lines and Outfall associated with Cooling Tower 35-33 |
| AOC | 35-016(n) | Storm drain and Outfall associated with Building 35-86 |
| SWMU | 35-016(o) | Storm Drains and outfalls |
| SWMU | 35-016(p) | Outfall from Building 35-27 |
| SWMU | 35-016(q) | Storm waste collection basins |
| AOC | 35-018(a) | Former Transformer |
| AOC | C-35-007 | Soil contamination associated with WWTP/Sand Filters |
| TA-36 | | |
| SWMU | 36-001 | Material disposal area (MDA) AA |
| SWMU | 36-002 | Former Sump |
| SWMU | 36-003(a) | Septic system |
| SWMU | 36-003(b) | Septic system, I-J Site |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|--------------|-------------|---|
| AOC | 36-004(a) | Firing site |
| AOC | 36-004(b) | Firing site |
| AOC | 36-004(c) | Firing site |
| SWMU | 36-004(d) | Firing site |
| AOC | 36-004(e) | Firing site |
| SWMU | 36-005 | Surface Storage Area |
| SWMU | 36-006 | Surface Disposal Site |
| SWMU | 36-008 | New SWMU-Surface disposal Area located near Building 36-1 |
| AOC | C-36-001 | Containment vessel |
| SWMU | C-36-003 | Outfall from Building 36-1 |
| AOC | C-36-006(e) | I-J Firing Site, projectile test area |
| TA-39 | | |
| SWMU | 39-001(a) | Landfill |
| SWMU | 39-001(b) | Disposal pits (MDA Y) |
| SWMU | 39-002(a) | Storage area |
| AOC | 39-002(b) | Storage area |
| AOC | 39-002(c) | Storage area |
| AOC | 39-002(d) | Storage area |
| AOC | 39-002(e) | Storage area |
| AOC | 39-002(f) | Storage area |
| SWMU | 39-004(a) | Firing site |
| SWMU | 39-004(b) | Firing site |
| SWMU | 39-004(c) | Firing site TA-39-6 |
| SWMU | 39-004(d) | Firing site TA-39-57 |
| SWMU | 39-004(e) | Firing site |
| SWMU | 39-005 | Potential soil contamination associated with former Seepage pit |
| SWMU | 39-006(a) | Septic system |
| SWMU | 39-007(a) | Storage area |
| AOC | 39-007(d) | Storage area |
| SWMU | 39-008 | Disposal Trenches |
| SWMU | 39-010 | Excavated soil pile |
| TA-40 | | |
| SWMU | 40-001(b) | Septic system |
| SWMU | 40-001(c) | Septic system |
| AOC | 40-003(b) | Burning area |
| SWMU | 40-004 | Operational release |
| SWMU | 40-005 | Sump |
| SWMU | 40-006(a) | Firing site |
| SWMU | 40-006(b) | Firing site |
| SWMU | 40-006(c) | Firing site |
| AOC | 40-007(a) | Storage area |
| AOC | 40-007(b) | Storage area |
| AOC | 40-007(c) | Storage area |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|--------------|------------|--|
| AOC | 40-007(d) | Storage area |
| AOC | 40-007(e) | Storage area |
| SWMU | 40-009 | Landfill |
| SWMU | 40-010 | Surface disposal site |
| TA-41 | | |
| SWMU | 41-001 | Septic Tank |
| SWMU | 41-002(a) | Imhoff Tank |
| SWMU | 41-002(b) | Chlorine Contact Tank |
| SWMU | 41-002(c) | Sludge Drying Bed |
| AOC | 41-003 | Sump |
| AOC | C-41-004 | Storm drains |
| TA-42 | | |
| SWMU | 42-001(a) | Soil contamination from former Incinerator Building 42-1 |
| SWMU | 42-001(b) | Soil contamination from former Ash storage tank |
| SWMU | 42-001(c) | Soil contamination from former Ash storage tank |
| AOC | 42-002(a) | Soil contamination from former Vacublaster and storage area |
| SWMU | 42-002(b) | Soil contamination from former Decontamination area |
| SWMU | 42-003 | Soil contamination from former Septic System |
| TA-43 | | |
| SWMU | 43-001(a) | Waste lines |
| AOC | 43-001(a2) | Waste lines |
| SWMU | 43-001(b) | Outfall |
| AOC | 43-001(b2) | Outfall from Building 43-1 |
| SWMU | 43-002 | Former Incinerator |
| AOC | C-43-001 | Storm Drain associated with Building 43-1 Loading Dock |
| TA-45 | | |
| SWMU | 45-001 | Soil contamination from former RLW Treatment Plant |
| SWMU | 45-002 | Soil contamination from former Decontamination Facility |
| SWMU | 45-003 | Soil contamination from former Waste lines |
| SWMU | 45-004 | Sanitary sewer outfall |
| AOC | C-45-001 | Soil contamination from spill in parking lot south of former RLW Treatment Plant |
| TA-46 | | |
| SWMU | 46-002 | Surface Impoundment |
| SWMU | 46-003(a) | Septic system |
| SWMU | 46-003(b) | Septic system |
| SWMU | 46-003(c) | Septic system |
| SWMU | 46-003(d) | Septic system |
| SWMU | 46-003(e) | Septic system |
| SWMU | 46-003(f) | Septic system |
| SWMU | 46-003(g) | Septic system |
| SWMU | 46-003(h) | Outfall from Building 46-77 |
| SWMU | 46-004(a) | Waste line |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|------|------------|--|
| SWMU | 46-004(a2) | Outfall associated with Building 46-31 |
| SWMU | 46-004(b) | Soil contamination associated with former tank |
| SWMU | 46-004(b2) | Outfall associated with Building 46-1 |
| SWMU | 46-004(c) | Dry Well |
| SWMU | 46-004(c2) | Outfall from Building 46-1 |
| SWMU | 46-004(d) | Dry well |
| SWMU | 46-004(d2) | Soil Contamination from Stack Emissions |
| SWMU | 46-004(e) | Dry well |
| AOC | 46-004(e2) | Outfall from Building 46-42 |
| SWMU | 46-004(f) | Drain associated with Building 46-24 |
| AOC | 46-004(f2) | Outfall from Building 46-31 |
| SWMU | 46-004(g) | Drains and Exhaust System |
| SWMU | 46-004(h) | Drains and Exhaust System |
| SWMU | 46-004(m) | Outfall from Building 46-30 |
| SWMU | 46-004(p) | Dry Well |
| SWMU | 46-004(q) | Outfall |
| SWMU | 46-004(r) | Outfall from Building 46-24 |
| SWMU | 46-004(s) | Outfall associated with Building 46-1 |
| SWMU | 46-004(t) | Outfall from Building 46-88 |
| SWMU | 46-004(u) | Outfall from Building 46-87 |
| SWMU | 46-004(v) | Outfall from Building 46-87 |
| SWMU | 46-004(w) | Outfall from Building 46-59 |
| SWMU | 46-004(x) | Outfall from Building 46-31 |
| SWMU | 46-004(y) | Outfall from Building 46-31 |
| SWMU | 46-004(z) | Outfall from Building 46-31 |
| SWMU | 46-005 | Surface impoundment |
| SWMU | 46-006(a) | Operational release |
| SWMU | 46-006(b) | Former storage shed |
| SWMU | 46-006(c) | Operational release |
| SWMU | 46-006(d) | Operational release |
| SWMU | 46-006(f) | Storage area |
| SWMU | 46-006(g) | Storage area |
| SWMU | 46-007 | Operational release |
| SWMU | 46-008(a) | Storage area |
| SWMU | 46-008(b) | Storage area |
| SWMU | 46-008(d) | Storage area |
| SWMU | 46-008(e) | Storage area |
| SWMU | 46-008(f) | Storage area |
| SWMU | 46-008(g) | Storage area |
| SWMU | 46-009(a) | Landfill |
| SWMU | 46-009(b) | Surface disposal site |
| SWMU | 46-010(d) | Storage Area |
| AOC | C-46-001 | Spill/Non-intentional release area |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|--------------|-----------|---|
| AOC | C-46-002 | Soil contamination from stack emissions – Non-intentional release |
| AOC | C-46-003 | Soil contamination from stack emissions – Non-intentional release |
| TA-48 | | |
| AOC | 48-001 | Air exhaust system |
| SWMU | 48-002(a) | Container storage area |
| SWMU | 48-002(b) | Container storage area |
| AOC | 48-002(e) | Container storage |
| SWMU | 48-003 | Soil contamination associated with former septic system |
| SWMU | 48-004(a) | Sumps |
| SWMU | 48-004(b) | Tanks |
| SWMU | 48-004(c) | Tanks |
| SWMU | 48-005 | Waste lines |
| SWMU | 48-007(a) | Outfall associated with Building 48-1 |
| SWMU | 48-007(b) | Outfall from Building 48-1 |
| SWMU | 48-007(c) | Outfall from Building 48-1 |
| SWMU | 48-007(d) | Outfall associated with Building 48-1 |
| SWMU | 48-007(f) | Outfall from Building 48-46 |
| SWMU | 48-010 | Surface Impoundment |
| AOC | 48-011 | Disposal shaft |
| SWMU | 48-012 | Soil Contamination |
| TA-49 | | |
| SWMU | 49-001(a) | Shafts at Area 1 (MDA AB) |
| SWMU | 49-001(b) | Shafts at Area 2 (MDA AB) |
| SWMU | 49-001(c) | Shafts at Area 2A (MDA AB) |
| SWMU | 49-001(d) | Shafts at Area 2B (MDA AB) |
| SWMU | 49-001(e) | Shafts at Area 3 (MDA AB) |
| SWMU | 49-001(f) | Shafts at Area 4 (MDA AB) |
| SWMU | 49-001(g) | Soil contamination (MDA AB) |
| AOC | 49-002 | Operational facility (Area 10 underground chamber) |
| SWMU | 49-003 | Leach field (Area 11 rad/chem and small shot area) |
| SWMU | 49-004 | Burn site and landfill (Area 6) |
| SWMU | 49-005(a) | Landfill (east of Area 10) |
| AOC | 49-005(b) | Landfill - Area 5 |
| SWMU | 49-006 | Sump (Area 5) |
| AOC | 49-008(a) | Soil contamination (Area 5) |
| AOC | 49-008(b) | Soil contamination (Area 6) |
| AOC | 49-008(c) | Soil contamination (Area 11) |
| AOC | 49-008(d) | Firing sites (Bottle House area) soil contamination and underground chamber |
| TA-50 | | |
| SWMU | 50-001(a) | Waste treatment facility |
| AOC | 50-001(b) | Waste lines |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|--------------|-----------|---|
| SWMU | 50-002(a) | Underground tanks |
| SWMU | 50-002(b) | Vaulted underground tank |
| SWMU | 50-002(c) | Vaulted underground tank |
| AOC | 50-002(d) | Aboveground storage tank |
| SWMU | 50-004(a) | Soil contamination from former waste lines |
| SWMU | 50-004(b) | Soil contamination from former vault and Tanks |
| SWMU | 50-004(c) | Soil contamination from former Waste lines and Manholes |
| SWMU | 50-006(a) | Operational release |
| SWMU | 50-006(c) | Operational release |
| SWMU | 50-006(d) | Outfall associated with Building 50-1 |
| AOC | 50-007 | Former Incinerator complex |
| AOC | 50-008 | Reduction site |
| SWMU | 50-009 | Material disposal area (MDA C) |
| AOC | 50-010 | Decontamination facility |
| SWMU | 50-011(a) | Soil contamination associated with former Septic system (includes SWMU 50-011(misc)) |
| AOC | 50-011(b) | Lift stations |
| AOC | C-50-001 | Former Transformer |
| TA-51 | | |
| AOC | 51-001 | Former Septic system |
| TA-52 | | |
| SWMU | 52-001(d) | Former facility equipment |
| SWMU | 52-002(a) | Septic system |
| | | |
| AOC | 52-003(a) | Former Wastewater Treatment Plant |
| TA-53 | | |
| SWMU | 53-001(a) | Storage area |
| SWMU | 53-001(b) | Storage area |
| SWMU | 53-002(a) | Former surface impoundment |
| SWMU | 53-002(b) | Former surface impoundment |
| SWMU | 53-005 | Soil contamination from former disposal pit |
| SWMU | 53-006(b) | Underground tank |
| SWMU | 53-006(c) | Underground tank |
| SWMU | 53-006(d) | Underground tank |
| SWMU | 53-006(e) | Underground tank |
| SWMU | 53-006(f) | Underground tank |
| SWMU | 53-007(a) | Aboveground neutralizer tank |
| AOC | 53-008 | Storage area |
| AOC | 53-009 | Aboveground tanks |
| AOC | 53-010 | Container storage |
| AOC | 53-012(e) | Outfall from Building 53-2 |
| SWMU | 53-013 | Soil contamination – Lead storage site I |
| SWMU | 53-014 | Soil contamination – Lead storage site II |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|--------------|------------------|---|
| SWMU | 53-015 | Radioactive Liquid Waste Treatment System |
| TA-54 | | |
| SWMU | 54-004 | MDA H |
| SWMU | 54-005 | MDA J |
| SWMU | 54-006 | MDA L |
| SWMU | 54-007(a) | Former Septic system (includes SWMU 54-007 (misc)) |
| AOC | 54-007(d) | Former Septic system (includes SWMU 54-007(misc)) |
| AOC | 54-012(a) | Former drum compactor |
| SWMU | 54-012(b) | Drum crusher |
| SWMU | 54-013(b) | Vehicle Monitoring/Decontamination area (MDA G) |
| AOC | 54-014(a) | Storage Shafts at MDA L |
| SWMU | 54-014(b) | Pit 9 (MDA G) |
| SWMU | 54-014(c) | Shafts 200-233 (MDA G) |
| SWMU | 54-014(d) | Storage trenches A, B, C, and D (MDA G) |
| AOC | 54-015(b) | Storage Area |
| SWMU | 54-015(k) | Layer of TRU waste |
| AOC | 54-016(b) | Sump |
| SWMU | 54-017 | Disposal Pits (MDA G) |
| SWMU | 54-018 | Disposal Pits (MDA G) |
| SWMU | 54-019 | Disposal Pits (MDA G) |
| SWMU | 54-020 | Disposal Shafts MDA G |
| SWMU | 54-023 | Disposal Pit 38 (MDA G) |
| SWMU | 54-024 | Disposal Pit 39 (MDA G) |
| TA-55 | | |
| SWMU | 55-008 | Sumps and tanks |
| TA-57 | | |
| AOC | 57-001(b) | Former Settling ponds |
| AOC | 57-001(c) | Former Settling ponds |
| AOC | 57-002 | Sludge pit |
| AOC | 57-004(a) | Former Settling ponds |
| AOC | 57-004(b) | Former Settling ponds |
| AOC | 57-006 | Former Drum and contents |
| AOC | 57-007 | Leach field |
| TA-59 | | |
| AOC | 59-004 | Outfall from Building 59-1 |
| AOC | C-59-001 | Transformer |
| TA-60 | | |
| SWMU | 60-002 | Storage area |
| AOC | 60-004(b) | Storage area |
| AOC | 60-004(c) | Storage area |
| AOC | 60-004(d) | Storage area |
| AOC | 60-004(e) | Storage area |
| AOC | 60-004(f) | Storage area |

Table K-1

SWMUs and AOCs Requiring Corrective Action

| | | |
|--------------|-----------|---|
| SWMU | 60-005(a) | Surface impoundment |
| SWMU | 60-006(a) | Septic Ssystem |
| SWMU | 60-007(a) | Operational Release |
| SWMU | 60-007(b) | Operational Release |
| TA-61 | | |
| SWMU | 61-002 | Transformer storage area |
| SWMU | 61-005 | Landfill (Los Alamos municipal) |
| SWMU | 61-006 | Waste oil tank (renumbered from 00-002) |
| SWMU | 61-007 | Soil contamination associated with transformer staging area |
| AOC | C-61-002 | Subsurface contamination |
| TA-63 | | |
| SWMU | 63-001(a) | Septic system |
| SWMU | 63-001(b) | Septic system |
| TA-69 | | |
| SWMU | 69-001 | Two-Mile Incinerator Facility |
| TA-72 | | |
| AOC | 72-001 | Firing range |
| TA-73 | | |
| SWMU | 73-001(a) | Landfill |
| SWMU | 73-001(b) | Soil contamination from former waste oil pit |
| SWMU | 73-001(c) | Bunkers |
| SWMU | 73-001(d) | Landfill |
| SWMU | 73-002 | Incinerator Surface Disposal |
| AOC | 73-003 | Soil contamination from former Steam cleaning plant |
| SWMU | 73-004(a) | Former septic tank |
| SWMU | 73-004(b) | Former septic tank |
| SWMU | 73-004(c) | Septic System |
| SWMU | 73-004(d) | Soil contamination form former septic tank |
| SWMU | 73-006 | Airport Building Outfalls |