

**Module VIII. SPECIAL CONDITIONS PURSUANT TO THE 1984 HAZARDOUS AND
SOLID WASTE AMENDMENTS TO RCRA FOR LOS ALAMOS
NATIONAL LABORATORY, EPA I.D. NM0890010515**

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A. DEFINITIONS

For purposes of this Permit the following definitions shall apply:

"Facility" means the Los Alamos National Laboratory site owned by the United States Department of Energy and located primarily in Los Alamos County in North Central New Mexico, comprised of approximately 40 square miles.

"Release" means any spilling, leaking, pouring, emitting, emptying, discharging, injecting, pumping, escaping, leaching, dumping, or disposing of hazardous wastes (including hazardous constituents) into the environment (including the abandonment or discarding of barrels, containers, and other closed receptacles containing hazardous wastes or hazardous constituents).

"Solid waste management unit" means any discernible unit at which solid wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste. Such units include any area at or around a facility at which solid wastes have been routinely and systematically released.

"Hazardous waste" means a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may cause, or significantly contribute to, an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness, or pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed. The term hazardous waste includes hazardous constituent as defined below.

"Hazardous constituent" means any constituent identified in Appendix VIII of 40 CFR Part 261 (incorporated by 20.4.1.200 NMAC), or any constituent identified in Appendix IX of 40 CFR Part 264 (incorporated by 20.4.1.500 NMAC).

If subsequent to the issuance of this permit, regulations are promulgated which redefine any of the above terms, the Secretary may, at his discretion, apply the new definition to this permit.

B. SPECIFIC CONDITIONS

1. Waste Minimization

The Permittee shall submit to the Secretary a certified plan annually by December 1, for the previous year ending September 30th, that:

(a) the Permittee has a program in place to reduce the volume and toxicity of all hazardous wastes which are generated by the Permittee's facility operation to the degree determined to be economically practicable, and the proposed method of treatment, storage, or disposal is that practicable method currently available to the Permittee which minimizes the present and future threat to human health and the environment. This certified plan must address the items below:

- (1) Any written policy or statement that outlines goals, objectives, and/or methods for source reduction and recycling of hazardous waste at the facility.
- (2) Any employee training or incentive programs designed to identify and implement source reduction and recycling opportunities for all hazardous/mixed wastes;
- (3) Any source reduction and/or recycling measures implemented in the last five years or planned for the near future;
- (4) An itemized list of the dollar amounts of capital expenditures (plant and equipment) and operating costs devoted to source reduction and recycling of hazardous waste;
- (5) Factors that have prevented implementation of source reduction and/or recycling;
- (6) Sources of information on source reduction and/or recycling received at the facility (e.g. local government, trade associations, suppliers, etc.);
- (7) An investigation of additional waste minimization efforts which could be implemented at the facility. This investigation shall analyze the potential for reducing the quantity and toxicity of each waste stream through production process change, production reformulation, recycling, and all other appropriate means. The analysis shall include an assessment of the technical feasibility, cost, and potential waste reduction for each option;
- (8) The Plan shall include a flow chart or matrix detailing all hazardous wastes it produces, by quantity and type, including mixed waste, and by building/area and program if consistent with security considerations;

(9) The Permittee shall demonstrate the need to use those processes which produce a particular hazardous waste due to a lack of alternative processes, available technology, or available alternative processes that would produce less volume of toxic waste; and

(10) The Permittee shall demonstrate the applicability/inapplicability of the following waste minimization techniques:

(a) A program that inventories the amount of contaminated lead that exists at the facility;

(b) A program that substitutes steel for lead (whenever possible);

(c) If it is impossible to substitute steel for lead, the lead is coated with a strippable coating to prevent its' entire contamination;

(d) A program or bench scale method to decontaminate the contaminated lead;

(e) Use of non-hazardous liquid scintillation cocktail solution; and

(f) A program designed to prevent commingling of radioactive waste.

The Permittee shall include the certified plan in the operating record.

2. Dust Suppression

Pursuant to 40 CFR 266.23(b), the Permittee shall not use waste or used oil or any other material, which is contaminated with dioxin, PCB, or any other hazardous waste (other than a waste identified solely on the basis of ignitability), for dust suppression or road treatment.

3. Compliance with Permit

Compliance with this permit during its term constitutes compliance, for the purposes of enforcement, with 40 CFR Parts 264 and 266 only for those management practices specifically authorized by this permit. The Permittee is also required to comply with Parts 260, 261, 262, and 263 to the extent the requirements of those Parts are applicable.

4. Specific Waste Ban

(a) The Permittee shall not place in any land disposal unit the wastes specified in RCRA Section 3004 after the effective date of the prohibition unless the Administrator has established disposal or treatment standards for the hazardous waste, and the Permittee meets such standards and other applicable conditions of this permit;

(b) The Permittee may store wastes restricted under 40 CFR 268 solely for the purpose of accumulating quantities necessary to facilitate proper recovery, treatment, or disposal provided that it meets the requirements of 40 CFR 268.50(a)(2) including but not limited to clearly marking each tank or container;

(c) The Permittee is required to comply with the all the requirements of 40 CFR 268.7 as amended. Changes to the waste analysis plan will be processed as minor modifications, pursuant to 40 CFR 270.42;

(d) The Permittee shall perform a waste analysis at least annually or on each batch as necessary to determine whether the waste meets applicable treatment standards. Results shall be maintained in the operating record; and

(e) Compliance with a RCRA permit during its term constitutes compliance, for the purpose of enforcement, with Subtitle C of RCRA except for those requirements not included in the permit which become effective by statute, or which are promulgated under Part 268 restricting the placement of hazardous wastes in or on the land.

5. Closure

Pursuant to Section 3005 (j)(1) of the Hazardous and Solid Waste Amendments of 1984, the Permittee shall close surface impoundment(s) in existence on November 8, 1984 and qualifying for interim status (see Federal Register 24717-24720, 6/30/88) in accordance with the following provisions:

(a) The Permittee shall not place hazardous waste in the surface impoundment(s); and

(b) The Permittee shall close the surface impoundment(s) in accordance with the closure plan(s) approved by the New Mexico Environment Department.

6. Operation of Land Disposal

The Permittee shall not place hazardous waste in any surface impoundment or landfill unless such unit has a permit meeting the minimum technological requirements (MTRs) outlined in Section 3004(o) of the Resource Conservation and Recovery Act. The Secretary must approve the plans and specifications for retrofitting prior to commencement of construction.

7. Additional Waste Ban Requirements

The Permittee shall not land dispose any hazardous waste restricted by 40 CFR 268 unless:

(a) The waste meets treatment standards specified in 40 CFR 268.40, .41, .42, or .43;

- (b) A variance from the treatment standards has been granted pursuant to 40 CFR 268.44;
- (c) A petition has been granted on a case-by-case extension to the effective date, pursuant to 40 CFR 268.5;
- (d) A "no-migration" petition has been granted pursuant to 40 CFR 268.6; or
- (e) The surface impoundment is exempt under 40 CFR 268.4.

C. INTEGRATION WITH CONSENT ORDER

1. General

The Secretary and the Permittees have agreed to a Compliance Order on Consent (Consent Order), dated March 1, 2005, that the Secretary issued to the Permittees, for corrective action at the Facility. The Consent Order is an enforceable document pursuant to section 20.4.1.500 NMAC (incorporating 40 CFR § 264.90(f)), and section 20.4.1.900 NMAC (incorporating 40 CFR § 270.1(c)(7)).

In accordance with the Consent Order, the Permittees shall perform all corrective action for the release of hazardous waste or hazardous constituents at the Facility under the Consent Order and not under this Permit, except as to the circumstances set forth in Paragraph 2 below. Compliance with the Consent Order will be sufficient to meet the requirements of sections 3004(u) and (v) of RCRA, 42 U.S.C. §§ 6942(u) and (v), and sections 74-4-4(A)(5)(h) and (i) and 74-4-4.2(B) of the HWA. Therefore, the terms of the Consent Order will not be enforceable as terms of this Permit, except as provided in section VIII.C.2 and 3 of this Permit.

2. Corrective Action Requirements

In accordance with section III.W.1 of the Consent Order, corrective action in the following four circumstances is subject to the terms of this Permit, unless otherwise approved by the Secretary:

- (a) new releases of hazardous waste or hazardous constituents from operating units at the Facility;
- (b) the closure and post-closure care requirements of 20.4.1.500 NMAC (incorporating 40 C.F.R. Part 264, Subpart G), as they apply to operating units at the Facility;
- (c) implementation of the controls, including long-term monitoring, for any SWMU or AOC on the Permit's Corrective Action Complete with Controls list (Table B, section C.4); and

(d) any corrective action required to address releases of hazardous waste or hazardous constituents that occur or are discovered after the date on which the Consent Order terminates.

Secretary approval for changes in this requirement or transfer of unit corrective actions subject to these exceptions to other enforceable documents shall require modification of this Permit subject to the requirements of 20.4.1.900 NMAC (incorporating 40 CFR Part 270.42) as appropriate.

The Secretary will include more detailed corrective action requirement for those circumstances set forth in this Paragraph in the next permit renewal.

3. Coordination of Corrective Action with Consent Order

For each of the circumstances set forth in Paragraph 2 above, the Permittee shall conduct corrective action in accordance with 3004(u) and (v) of RCRA, 42 U.S.C. §§ 6942(u) and (v), and sections 74-4-4(A)(5)(h) and (i) and 74-4-4.2(B) of the HWA. Any corrective action conducted under this Permit shall be coordinated with corrective action conducted under the Consent Order. Corrective action for releases from operating units that commingle with releases originating from other sources shall be conducted under the Consent Order.

4. Solid Waste Management Units Requiring Corrective Action

Table A is a list of SWMUs at the Facility that require corrective action as necessary under the Consent Order. This list is provided for tracking purposes between this Permit and the Consent Order. If any new SWMUs are discovered while the Consent Order is in effect, notification and investigation of such units shall be conducted under the Consent Order. Table A will be modified to include listing of any newly identified SWMUs for tracking purposes.

Table B is a list of SWMUs at the Facility for which correction action is complete with controls.

Table C is a list of SWMUs at the Facility for which corrective action is complete without controls that preclude unrestricted land use or require monitoring.

5. Permit Modification for Corrective Action Complete

Pursuant to Sections III.W.3.b and VII.E.6.b of the Consent Order, whenever the Permittees obtain a certificate of completion or equivalent document for a SWMU, the Permittees can submit to the Secretary a petition for a Class 3 Permit Modification to change the status of the unit from “corrective action required” to “corrective action complete.” The Permit Modification will move the SWMU from Table A Corrective Action Required to either Table B Corrective Action Complete with Controls or Table C Corrective Action Complete without Controls pursuant to the terms of this Permit. These

two lists are for informational purposes only and are not enforceable; provided, however, that where controls are identified for a SWMU, those controls (e.g., institutional controls, engineered barriers, long-term monitoring and operation and maintenance) are enforceable under the Permit. The Secretary's determination that corrective action is complete for a SWMU placed on either the Corrective Action Complete with Controls list or the Corrective Action Complete Without Controls list will be subject to the Secretary's reservation of rights for new information or unknown conditions. In the event the Secretary seeks to require additional work at any SWMU contained on either of the two lists for Corrective Action Complete, the Secretary will initiate a Permit Modification to remove the SWMU from the Corrective Action Complete list.

E. REQUIRED PLANS

The Permittee shall maintain the following plans at the Facility.

1. Data Management Plan

The Permittee shall develop and initiate a Data Management Plan to document and track investigation data and results. This plan shall identify and set up data documentation materials and procedures, project file requirements, and project-related progress reporting procedures and documents. The plan shall also provide the format to be used to present the raw data and conclusions of the investigation, such as:

- a. Data Record;
- b. Tabular Displays; and
- c. Graphical Displays.

2. Health and Safety Plan

The Permittee shall prepare a facility Health and Safety Plan.

a. Major elements of the Health and Safety Plan shall include:

- i. Facility description including availability of resources such as roads, water supply, electricity and telephone service;
- ii. Describe the known hazards and evaluate the risks associated with the incident and with each activity conducted;
- iii. List key personnel and alternatives responsible for site safety, responses operations, and for protection of public health;
- iv. Delineate work area;
- v. Describe levels of protection to be worn by personnel in work area;
- vi. Establish procedures to control site access;
- vii. Describe decontamination procedures for personnel and equipment;
- viii. Establish site emergency procedures;
- ix. Address emergency medical care for injuries and toxicological problems;
- x. Describe requirements for an environmental field monitoring program;

- xii. Specify any routine and special training required for responders; and
- xiii. Establish procedures for protecting workers from weather-related problems.

b. The Facility Health and Safety Plan shall be consistent with:

- i. NIOSH Occupation Safety and Health Guidance Manual for Hazardous Waste Site Activities (1985);
- ii. EPA Order 1440.1 - Respiratory protection;
- iii. EPA Order 1440.3 - Health and Safety Requirements for Employees engaged in Field Activities;
- iv. Approved Facility Contingency Plan;
- v. EPA Operating Safety Guide (1984);
- vi. OSHA regulations particularly in 29 CFR 1910 and 1926;
- vii. State and local regulations; and
- viii. Other EPA guidance as provided.

2. Community Relations Plan

The Permittee shall prepare a Community Relations Plan (CRP) which allows for public participation in the corrective action process. The CRP will include:

- a. Establishing an active mailing list of interested parties (to be updated annually), including those on the official facility mailing list who wish to be on LANL's list;
- b. Informal meetings, including briefings and workshops as appropriate, with the public and local officials before and during the corrective action process, which includes activities associated with SWMU assessment under this Permit and corrective action under the Consent Order;
- c. News releases, fact sheets, approved workplans, final reports, Special Permit Conditions Reportsss and publicly available progress reports that explain the progress and conclusions of the corrective action;
- d. Creation of a public information repository and reading room;
- e. Updates of materials in the information repository and public reading room;

f. Public tours and briefings to inform and to listen informally to public concerns and answer individual questions;

g. Technical progress reports for the Administrative Authority; and

h. Procedures for immediate notification of the San Ildefonso Pueblo or other affected parties in case of a newly discovered off-site release, which could impact them.

**TABLE A – SOLID WASTE MANAGEMENT UNITS
REQUIRING CORRECTIVE ACTION**

SWMU Numbers	1-006(n)	3-014(g)	3-046
	1-006(o)	3-014(h)	3-049(a)
<u>Technical Area 0</u>	1-007(a)	3-014(i)	3-049(b)
0-001	1-007(b)	3-014(j)	3-049(e)
0-011(a)	1-007(c)	3-014(k)	3-050(a)
0-011(c)	1-007(d)	3-014(l)	3-050(d)
0-011(d)	1-007(e)	3-014(m)	3-050(f)
0-011(e)	1-007(j)	3-014(n)	3-050(g)
0-017	1-007(l) (29)	3-014(o)	3-052(a)
0-018(a)		3-014(p)	3-052(e)
0-019	<u>Technical Area 2</u>	3-014(q)	3-052(f)
0-030(a)	2-005	3-014(r)	3-054(a)
0-030(b)	2-006(a)	3-014(s)	3-054(b)
0-030(g)	2-006(b)	3-014(t)	3-054(c)
0-030(l)	2-007	3-014(u)	3-054(d)
0-030(m)	2-008(a)	3-015	3-054(e)
0-033	2-009(a)	3-021	3-055(a)
0-039 (15)	2-009(b)	3-025(b)	3-055(c)
	2-009(c) (8)	3-026(c)	3-056(a)
		3-026(d)	3-056(c)
<u>Technical Area 1</u>	<u>Technical Area 3</u>	3-028	3-056(d)
1-001(a)	3-001(k)	3-029	3-056(l)
1-001(b)	3-002(c)	3-031	3-059 (82)
1-001(c)	3-003(a)	3-033	
1-001(d)	3-003(b)	3-034(a)	<u>Technical Area 4</u>
1-001(e)	3-003(c)	3-034(b)	4-001
1-001(f)	3-009(a)	3-036(a)	4-002
1-001(g)	3-009(d)	3-036(c)	4-003(a)
1-001(o)	3-009(i)	3-036(d)	4-003(b) (4)
1-001(s)	3-009(j)	3-037	
1-001(t)	3-010(a)	3-038(a)	<u>Technical Area 5</u>
1-001(u)	3-011	3-038(b)	5-001(a)
1-002	3-012(b)	3-043(c)	5-001(b)
1-003(a)	3-013(a)	3-045(a)	5-002
1-003(d)	3-014(a)	3-045(b)	5-003
1-003(e)	3-014(b)	3-045(c)	5-004
1-006(a)	3-014(c)	3-045(e)	5-005(a)
1-006(b)	3-014(d)	3-045(f)	5-005(b)
1-006(c)	3-014(e)	3-045(g)	5-006(b)
1-006(d)	3-014(f)	3-045(h)	5-006(c)

**TABLE A – SOLID WASTE MANAGEMENT UNITS
REQUIRING CORRECTIVE ACTION**

5-006(e)	8-009(d)	C-9-001 (36)	11-005(a)
5-006(h) (11)	8-009(e)		11-005(b)
	C-8-010 (12)	<u>Technical Area 10</u>	11-005(c)
		10-001(a)	11-006(a)
<u>Technical Area 6</u>	<u>Technical Area 9</u>	10-001(b)	11-006(b)
6-001(a)	9-001(a)	10-001(c)	11-006(c)
6-001(b)	9-001(b)	10-001(d)	11-006(d)
6-002	9-001(c)	10-002(a)	11-009
6-003(a)	9-001(d)	10-002(b)	11-011(a)
6-003(c)	9-002	10-003(a)	11-011(b)
6-003(d)	9-003(a)	10-003(b)	11-011(d) (20)
6-003(e)	9-003(b)	10-003(c)	
6-003(f)	9-003(d)	10-003(d)	<u>Technical Area 12</u>
6-003(h)	9-003(e)	10-003(e)	12-001(a)
6-005	9-003(g)	10-003(f)	12-001(b)
6-006	9-003(h)	10-003(g)	12-002 (3)
6-007(a)	9-003(i)	10-003(h)	
6-007(b)	9-004(a)	10-003(i)	<u>Technical Area 13</u>
6-007(c)	9-004(b)	10-003(j)	13-001
6-007(d)	9-004(c)	10-003(k)	13-002
6-007(e)	9-004(d)	10-003(l)	13-003(a)
6-007(f)	9-004(e)	10-003(m)	13-004 (4)
6-007(g) (18)	9-004(f)	10-003(n)	
	9-004(g)	10-003(o)	<u>Technical Area 14</u>
<u>Technical Area 7</u>	9-004(h)	10-004(a)	14-002(a)
7-001(a)	9-004(i)	10-004(b)	14-002(b)
7-001(b)	9-004(j)	10-005	14-002(c)
7-001(c)	9-004(k)	10-006	14-002(d)
7-001(d) (4)	9-004(l)	10-007 (26)	14-002(e)
	9-004(m)		14-002(f)
<u>Technical Area 8</u>	9-004(n)	<u>Technical Area 11</u>	14-003
8-002	9-004(o)	11-001(a)	14-005
8-003(a)	9-005(a)	11-001(b)	14-006
8-004(a)	9-005(d)	11-001(c)	14-007
8-004(b)	9-005(g)	11-002	14-009
8-004(c)	9-006	11-004(a)	14-010 (12)
8-004(d)	9-008(a)	11-004(b)	
8-005	9-008(b)	11-004(c)	<u>Technical Area 15</u>
8-006(a)	9-009	11-004(d)	15-002
8-009(a)	9-013	11-004(e)	15-003

**TABLE A – SOLID WASTE MANAGEMENT UNITS
REQUIRING CORRECTIVE ACTION**

15-004(a)	15-014(i)	16-005(l)	16-020
15-004(b)	15-014(j)	16-005(m)	16-021(a)
15-004(c)	15-014(k)	16-005(n)	16-021(c)
15-004(f)	15-014(l) (46)	16-006(a)	16-024(e)
15-004(g)		16-006(c)	16-025(a)
15-004(i)	<u>Technical Area 16</u>	16-006(d)	16-025(a2)
15-006(a)	16-001(a)	16-006(e)	16-025(b)
15-006(b)	16-001(b)	16-006(g)	16-025(b2)
15-006(c)	16-001(c)	16-006(h)	16-025(c2)
15-006(d)	16-001(d)	16-007	16-025(d)
15-007(a)	16-001(e)	16-007(a)	16-025(d2)
15-007(b)	16-003(a)	16-008(a)	16-025(e)
15-007(c)	16-003(b)	16-008(b)	16-025(e2)
15-007(d)	16-003(c)	16-009(a)	16-025(f)
15-008(a)	16-003(d)	16-010(a)	16-025(f2)
15-008(b)	16-003(e)	16-010(b)	16-025(g)
15-008(c)	16-003(f)	16-010(c)	16-025(h)
15-008(d)	16-003(g)	16-010(d)	16-025(h2)
15-009(a)	16-003(h)	16-010(e)	16-025(i)
15-009(b)	16-003(i)	16-010(f)	16-025(j)
15-009(c)	16-003(j)	16-010(h)	16-025(k)
15-009(e)	16-003(k)	16-010(i)	16-025(l)
15-009(f)	16-003(l)	16-010(j)	16-025(m)
15-009(g)	16-003(m)	16-010(k)	16-025(n)
15-009(h)	16-003(n)	16-010(l)	16-025(o)
15-009(i)	16-003(o)	16-010(m)	16-025(p)
15-009(k)	16-004(a)	16-010(n)	16-025(q)
15-010(a)	16-004(b)	16-013	16-025(r)
15-010(b)	16-004(c)	16-015(a)	16-025(s)
15-010(c)	16-004(d)	16-015(b)	16-025(t)
15-011(a)	16-004(e)	16-016	16-025(u)
15-011(b)	16-004(f)	16-016(a)	16-025(v)
15-011(c)	16-005(a)	16-016(b)	16-025(w)
15-012(c)	16-005(c)	16-016(c)	16-025(x)
15-012(d)	16-005(d)	16-016(d)	16-025(y)
15-012(e)	16-005(e)	16-016(e)	16-025(z)
15-012(f)	16-005(g)	16-016(g)	16-026(a)
15-012(g)	16-005(h)	16-017	16-026(a2)
15-014(a)	16-005(j)	16-018	16-026(b)
15-014(b)	16-005(k)	16-019	16-026(b2)

**TABLE A – SOLID WASTE MANAGEMENT UNITS
REQUIRING CORRECTIVE ACTION**

16-026(c)	16-029(b2)	16-031(d)	18-004(a)
16-026(c2)	16-029(c)	16-031(e)	18-004(b)
16-026(d)	16-029(c2)	16-031(f)	18-005(a)
16-026(d2)	16-029(d)	16-031(h)	18-012(a)
16-026(e)	16-029(d2)	16-032(a)	18-012(b) (18)
16-026(e2)	16-029(e)	16-032(c)	
16-026(f)	16-029(e2)	16-034(a)	<u>Technical Area 19</u>
16-026(f2)	16-029(f)	16-034(b)	19-001
16-026(g)	16-029(f2)	16-034(c)	19-002
16-026(g2)	16-029(g)	16-034(d)	19-003 (3)
16-026(h)	16-029(g2)	16-034(e)	
16-026(h2)	16-029(h)	16-034(f)	<u>Technical Area 20</u>
16-026(i)	16-029(h2)	16-034(h)	20-001(a)
16-026(j)	16-029(i)	16-034(i)	20-001(b)
16-026(j2)	16-029(j)	16-034(j)	20-001(c)
16-026(k)	16-029(k)	16-034(k)	20-002(a)
16-026(k2)	16-029(l)	16-034(l)	20-002(b)
16-026(l)	16-029(m)	16-034(m)	20-002(c)
16-026(m)	16-029(n)	16-034(n)	20-002(d)
16-026(n)	16-029(o)	16-034(o)	20-003(a)
16-026(o)	16-029(p)	16-034(p)	20-005 (9)
16-026(p)	16-029(q)	16-035	
16-026(q)	16-029(r)	16-036	<u>Technical Area 21</u>
16-026(r)	16-029(s)	C-16-025	21-002(a)
16-026(s)	16-029(t)	C-16-026 (219)	21-003
16-026(t)	16-029(u)		21-004(b)
16-026(u)	16-029(v)	<u>Technical Area 18</u>	21-004(c)
16-026(v)	16-029(w)	18-001(a)	21-006(a)
16-026(w)	16-029(x)	18-001(b)	21-006(b)
16-026(x)	16-029(y)	18-001(c)	21-006(c)
16-026(y)	16-029(z)	18-002(a)	21-006(d)
16-026(z)	16-030(a)	18-002(b)	21-006(e)
16-028(a)	16-030(b)	18-003(a)	21-007
16-028(b)	16-030(c)	18-003(b)	21-010(a)
16-028(c)	16-030(e)	18-003(c)	21-010(b)
16-028(d)	16-030(f)	18-003(d)	21-010(c)
16-028(e)	16-030(h)	18-003(e)	21-010(d)
16-029(a)	16-031(a)	18-003(f)	21-010(e)
16-029(a2)	16-031(b)	18-003(g)	21-010(f)
16-029(b)	16-031(c)	18-003(h)	21-010(g)

**TABLE A – SOLID WASTE MANAGEMENT UNITS
REQUIRING CORRECTIVE ACTION**

21-010(h)	21-023(b)	<u>Technical Area 26</u>	33-004(m)
21-011(a)	21-023(c)	26-001	33-005(a)
21-011(b)	21-023(d)	26-002(a)	33-005(b)
21-011(c)	21-024(a)	26-002(b)	33-005(c)
21-011(d)	21-024(b)	26-003 (4)	33-006(a)
21-011(e)	21-024(c)		33-006(b)
21-011(f)	21-024(d)	<u>Technical Area 27</u>	33-007(a)
21-011(g)	21-024(e)	27-002	33-007(b)
21-011(h)	21-024(f)	27-003 (2)	33-007(c)
21-011(i)	21-024(g)		33-008(a)
21-011(j)	21-024(h)	<u>Technical Area 31</u>	33-008(b)
21-011(k)	21-024(i)	31-001 (1)	33-009
21-012(b)	21-024(j)		33-010(a)
21-013(a)	21-024(k)	<u>Technical Area 32</u>	33-010(b)
21-013(b)	21-024(l)	32-001	33-010(c)
21-013(c)	21-024(n)	32-002(a)	33-010(d)
21-013(d)	21-024(o)	32-002(b) (3)	33-010(f)
21-013(e)	21-026(a)		33-010(g)
21-014	21-026(b)	<u>Technical Area 33</u>	33-010(h)
21-015	21-027(a)	33-001(a)	33-011(a)
21-016(a)	21-027(c)	33-001(b)	33-011(c)
21-016(b)	21-027(d)	33-001(c)	33-011(d)
21-016(c)	21-029 (80)	33-001(d)	33-011(e)
21-017(a)		33-001(e)	33-012(a)
21-017(b)	<u>Technical Area 22</u>	33-002(a)	33-013
21-017(c)	22-010(a)	33-002(b)	33-014
21-018(a)	22-010(b)	33-002(c)	33-015
21-018(b)	22-011	33-002(d)	33-016
21-021	22-012	33-002(e)	33-017 (50)
21-022(a)	22-014(a)	33-003(a)	
21-022(b)	22-014(b)	33-003(b)	<u>Technical Area 35</u>
21-022(c)	22-015(a)	33-004(a)	35-002
21-022(d)	22-015(b)	33-004(b)	35-003(a)
21-022(e)	22-015(c)	33-004(c)	35-003(b)
21-022(f)	22-015(d)	33-004(d)	35-003(c)
21-022(g)	22-015(e)	33-004(g)	35-003(d)
21-022(h)	22-016 (12)	33-004(h)	35-003(e)
21-022(i)		33-004(i)	35-003(f)
21-022(j)		33-004(j)	35-003(g)
21-023(a)		33-004(k)	35-003(h)

**TABLE A – SOLID WASTE MANAGEMENT UNITS
REQUIRING CORRECTIVE ACTION**

35-003(j)	<u>Technical Area 36</u>	41-002(c) (4)	46-004(h)
35-003(k)	36-001		46-004(m)
35-003(l)	36-002	<u>Technical Area 42</u>	46-004(p)
35-003(m)	36-003(a)	42-001(a)	46-004(q)
35-003(n)	36-003(b)	42-001(b)	46-004(r)
35-003(o)	36-004(d)	42-001(c)	46-004(s)
35-003(p)	36-005	42-002(b)	46-004(t)
35-003(q)	36-006	42-003 (5)	46-004(u)
35-004(a)	C-36-003 (8)		46-004(v)
35-004(b)		<u>Technical Area 43</u>	46-004(w)
35-004(g)	<u>Technical Area 39</u>	43-001(a)	46-004(x)
35-004(h)	39-001(a)	43-002 (2)	46-004(y)
35-008	39-001(b)		46-004(z)
35-009(a)	39-002(a)	<u>Technical Area 45</u>	46-005
35-009(b)	39-004(a)	45-001	46-006(a)
35-009(c)	39-004(b)	45-002	46-006(b)
35-009(d)	39-004(c)	45-003	46-006(c)
35-009(e)	39-004(d)	45-004 (4)	46-006(d)
35-010(a)	39-004(e)		46-006(f)
35-010(b)	39-005	<u>Technical Area 46</u>	46-006(g)
35-010(c)	39-006(a)	46-002	46-007
35-010(d)	39-007(a)	46-003(a)	46-008(a)
35-013(a)	39-008 (12)	46-003(b)	46-008(b)
35-013(b)		46-003(c)	46-008(d)
35-013(c)	<u>Technical Area 40</u>	46-003(d)	46-008(e)
35-014(a)	40-001(b)	46-003(e)	46-008(f)
35-014(b)	40-001(c)	46-003(f)	46-008(g)
35-014(e)	40-003(a)	46-003(g)	46-009(a)
35-014(g)	40-004	46-003(h)	46-009(b)
35-015(a)	40-005	46-004(a)	46-010(d) (50)
35-015(b)	40-006(a)	46-004(a2)	
35-016(a)	40-006(b)	46-004(b)	<u>Technical Area 48</u>
35-016(c)	40-006(c)	46-004(b2)	48-002(a)
35-016(d)	40-009	46-004(c)	48-002(b)
35-016(i)	40-010 (10)	46-004(c2)	48-003
35-016(k)		46-004(d)	48-004(a)
35-016(m)	<u>Technical Area 41</u>	46-004(d2)	48-004(b)
35-016(o)	41-001	46-004(e)	48-004(c)
35-016(p)	41-002(a)	46-004(f)	48-005
35-016(q) (49)	41-002(b)	46-004(g)	48-007(a)

**TABLE A – SOLID WASTE MANAGEMENT UNITS
REQUIRING CORRECTIVE ACTION**

48-007(b)	<u>Technical Area 53</u>	<u>Technical Area 61</u>
48-007(c)	53-001(a)	61-002
48-007(d)	53-001(b)	61-005
48-007(f)	53-002(a)	61-006
48-010 (13)	53-002(b)	61-007 (4)
	53-005	
<u>Technical Area 49</u>	53-006(b)	<u>Technical Area 63</u>
49-001(a)	53-006(c)	63-001(a)
49-001(b)	53-006(d)	63-001(b) (2)
49-001(c)	53-006(e)	
49-001(d)	53-006(f)	<u>Technical Area 69</u>
49-001(e)	53-007(a) (11)	69-001 (1)
49-001(f)		
49-001(g)	<u>Technical Area 54</u>	<u>Technical Area 73</u>
49-003	54-001(a)	73-001(a)
49-004	54-004 (excluding	73-001(b)
49-005(a)	Shaft No. 9)	73-001(c)
49-006 (11)	54-005	73-001(d)
	54-006	73-002
<u>Technical Area 50</u>	54-007(a)	73-004(a)
50-001(a)	54-012(b)	73-004(b)
50-002(a)	54-013(b)	73-004(c)
50-002(b)	54-014(b)	73-004(d)
50-002(c)	54-014(c)	73-006 (10)
50-004(a)	54-014(d)	
50-004(b)	54-015(k)	
50-004(c)	54-017	
50-006(a)	54-018	
50-006(c)	54-019	
50-006(d)	54-020 (15)	
50-009		
50-011(a) (12)	<u>Technical Area 55</u>	
	55-008	
<u>Technical Area 52</u>	55-009 (2)	
52-001(d)		
52-002(a) (2)	<u>Technical Area 60</u>	
	60-002	
	60-005(a)	
	60-006(a)	
	60-007(a)	
	60-007(b) (5)	

TABLE B – CORRECTIVE ACTION COMPLETE WITH CONTROLS

[Reserved]

TABLE C – CORRECTIVE ACTION COMPLETE WITHOUT CONTROLS

<u>SWMU Number</u>	<u>Date Approved</u>	<u>SWMU Number</u>	<u>Date Approved</u>	<u>SWMU Number</u>	<u>Date Approved</u>
0-003	09-05-2003	3-045(d)	12-08-1997	16-012(a)	12-23-1998
0-005	12-23-1998	3-045(i)	05-02-2001	16-012(b)	12-23-1998
0-012	09-05-2003	3-049(c)	05-02-2001	16-012(c)	12-23-1998
0-016	11-09-2001	3-049(d)	05-02-2001	16-012(d)	12-23-1998
0-028(a)	09-05-2003	3-050(e)	05-02-2001	16-012(e)	12-23-1998
0-028(b)	09-05-2003	3-052(c)	05-02-2001	16-012(f)	12-23-1998
1-001(h)	12-23-1998	3-055(d)	05-02-2001	16-012(g)	12-23-1998
1-001(i)	12-23-1998	3-056(m)	05-02-2001	16-012(h)	12-23-1998
1-001(j)	12-23-1998	3-056(n)	05-02-2001	16-012(i)	12-23-1998
1-001(k)	12-23-1998	6-003(g)	11-09-2001	16-012(j)	12-23-1998
1-001(l)	12-23-1998	7-003(c)	12-23-1998	16-012(k)	12-23-1998
1-001(m)	09-05-2003	7-003(d)	12-23-1998	16-012(l)	12-23-1998
1-001(n)	12-23-1998	8-003(b)	12-23-1998	16-012(m)	12-23-1998
2-008(b)	11-09-2001	8-003(c)	12-23-1998	16-012(n)	12-23-1998
3-001(a)	12-23-1998	8-006(b)	12-23-1998	16-012(o)	12-23-1998
3-001(b)	12-23-1998	8-007	12-23-1998	16-012(p)	12-23-1998
3-001(c)	12-23-1998	9-003(c)	12-23-1998	16-012(q)	12-23-1998
3-002(a)	05-02-2001	9-003(f)	12-23-1998	16-012(r)	12-23-1998
3-002(b)	12-23-1998	9-005(b)	12-23-1998	16-012(s)	12-23-1998
3-002(d)	05-02-2001	9-005(c)	12-23-1998	16-012(t)	12-23-1998
3-009(b)	12-23-1998	9-005(e)	12-23-1998	16-012(u)	12-23-1998
3-009(c)	05-02-2001	9-005(f)	12-23-1998	16-012(v)	12-23-1998
3-009(e)	12-23-1998	9-005(h)	12-23-1998	16-012(w)	12-23-1998
3-009(f)	12-23-1998	9-007	12-23-1998	16-012(x)	12-23-1998
3-009(g)	05-02-2001	11-007	12-23-1998	16-012(y)	12-23-1998
3-009(h)	12-23-1998	11-011(c)	05-02-2001	16-012(z)	12-23-1998
3-012(a)	12-23-1998	14-004(b)	05-02-2001	16-025(c)	12-23-1998
3-019	05-02-2001	15-009(j)	11-09-2001	16-025(g2)	12-23-1998
3-018	12-23-1998	15-012(a)	11-09-2001	16-026(i2)	12-23-1998
3-020(a)	12-23-1998	15-012(b)	11-09-2001	16-031(g)	12-23-1998
3-024	12-08-1997	15-014(m)	12-23-1998	16-032(d)	12-23-1998
3-025(a)	05-02-2001	16-005(b)	05-02-2001	16-032(e)	12-23-1998
3-026(b)	05-02-2001	16-005(f)	12-23-1998	16-034(g)	12-23-1998
3-032	05-02-2001	16-005(i)	12-23-1998	18-007	05-02-2001
3-035(a)	12-23-1998	16-005(o)	12-23-1998	21-005	11-09-2001
3-035(b)	12-23-1998	16-006(b)	12-23-1998	21-012(a)	12-23-1998
3-039(a)	12-23-1998	16-006(f)	12-23-1998	21-024(m)	12-23-1998
3-043(e)	05-02-2001	16-006(i)	12-23-1998	21-027(b)	12-23-1998
3-044(a)	05-02-2001	16-010(g)	12-23-1998	27-001	05-02-2001

TABLE C – CORRECTIVE ACTION COMPLETE WITHOUT CONTROLS

<u>SWMU Number</u>	<u>Date Approved</u>	<u>SWMU Number</u>	<u>Date Approved</u>	<u>SWMU Number</u>	<u>Date Approved</u>
33-004(e)	12-23-1998				
33-004(f)	12-23-1998				
35-003(i)	12-23-1998				
35-004(e)	05-02-2001				
35-006	05-02-2001				
35-011(a)	05-02-2001				
35-013(d)	05-02-2001				
36-003(c)	12-23-1998				
39-003	12-23-1998				
39-006(b)	12-23-1998				
40-001(a)	12-23-1998				
46-008(c)	12-23-1998				
52-001(a)	12-23-1998				
52-001(b)	12-23-1998				
52-001(c)	12-23-1998				
52-002(b)	12-23-1998				
52-002(c)	12-23-1998				
52-002(d)	12-23-1998				
52-002(e)	12-08-1997				
52-002(f)	12-23-1998				
53-007(b)	12-23-1998				
54-001(c)	12-23-1998				
54-007(b)	05-02-2001				
54-007(c)	09-05-2003				
54-013(a)	12-23-1998				
54-015(h)	05-02-2001				
59-001	05-02-2001				
61-004(a)	05-02-2001				
73-005	09-05-2003				