Hazardous Waste Management
RCRA Permit NEVHW0025
September 2019 – Revision 5

US Ecology Nevada, Inc.
Beatty, Nevada
EPA ID# NVT330010000

State of Nevada
Department of Conservation and Natural Resources
Division of Environmental Protection
Bureau of Sustainable Materials Management

PERMIT MODIFICATION CHRONOLOGY

Revised/Reviewed: September 26, 2019
By: M. Godbout

POINTS OF CONTACT FOR THE FACILITY:

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PERMITTEE: **US Ecology Nevada, Inc.**
FACILITY IDENTIFICATION NUMBER: NVT330010000
PERMIT NUMBER: NEVHW0025
DATE ISSUED: December 8, 2011
INITIAL PERMIT or RENEWAL Renewal *Renewal in Process*

Part B. Rev. #	Permit Rev. #	Date of Rev.	Event	Description
1	-	4 / 2013	Class 1*	PCB Tank Farm concrete secondary containment and truck pad; discontinue use of Evaporation Pond (T-11) for lab wastewater
2	-	10 / 2013	Class 1	Revised Contingency Plan Notification List
3	-	7 / 2014	Class 1	Revised Contingency Plan Notification List
4	-	8 / 2014	Class 1	Truck Dock at Container Management Building
5	-	8 / 2014	Class 1*	Satellite Lab at Container Management Building
6	-	8 / 2014	Class 1	Facility Inspection Plan Revision for TSCA
7	-	9 / 2014	Class 1*	2014 Updated Closure Cost Estimate
8	-	9 / 2014	Class 1	Revised Contingency Plan Notification List
9	1	7 / 2015	Class 1*	PCB Tank T-8 and Leachate Tank T-15 Removal
10	-	7 / 2015	Class 1	Site Security Plan Update
11	-	2 / 2015	Class 1	Contingency Plan Update
12	-	6 / 2015	Class 1	Contingency Plan Update
13	-	7 / 2015	Class 1	Financial Assurance Update (Liability Insurance Policy)
14	-	12 / 2015	Class 1*	Closure Cost Estimate Update

15	2	6 / 2016	Class 3	Trench 13
16	-	12 / 2015	Class 1	Contingency Plan Update
17	-	1 / 2016	Class 1	PCB Staging Area
18	-	12 / 2017	Class 1*	RCRA Staging Area
19	3	8/2018	Class 1*	Aerosol Can Recycling Unit and Staging Area
20	4	1 / 2019	Class 1*	DEA Substance Storage & Updating Sections of Permit Application
21	5	9/2019	Class 2	Container Management Building 2 (CMU 19, CMS 2)
	6 / 2016 – Permit Renewal Application Submitted – *In Progress*			

RCRA PERMIT
FOR A HAZARDOUS WASTE MANAGEMENT FACILITY

Permittee:	**US Ecology Nevada, Inc.**	REVISION 5
	Beatty, Nevada 89003	September 2019
Facility EPA ID#:	**NVT330010000**	
Permit Number:	**NEVHW0025**	

This Permit is issued by the Nevada Division of Environmental Protection (NDEP) under the authority of Section 3006 of Resource Conservation and Recovery Act (RCRA) (40 CFR Part 271), Nevada Revised Statutes (NRS) 459.520 and Nevada Administrative Code (NAC) 444.842 through 444.8746 and 444.960. The State of Nevada has adopted 40 CFR Subpart A of Part 2, Subparts A and B of Part 124, and Parts 260 through 270 inclusive, by reference in the NAC at 444.8632 with exceptions listed at 444.86325 and as revised at 444.8633. This Permit is issued to US Ecology Nevada, Inc. (hereafter called the Permittee), to operate a commercial hazardous waste treatment, storage, and disposal facility located near Beatty, Nevada at latitude 36° 46' 9" N and longitude 116° 41' 23" W, summarily described as follows:

The facility is located on a 480-acre site, which is owned by the State of Nevada. The facility consists of:

- Six (6) Container Storage Units;
- Four (4) PCB Storage Tanks;
- Two (2) Lab Rinse Water Storage Tanks
- One (1) Evaporation Tank;
- One (1) Aerosol Can Recycling Unit
- Four (4) Batch Stabilization Tanks (Pans 2-5);
- Four (4) Subtitle C Landfills consisting of Trench 10 (closed), Trench 11 (closed), Trench 12 (active) with a design capacity of 1.66 million cubic yards, and Trench 13 (Phase A active) with a design capacity of 8.6 million cubic yards.

The facility is required to perform groundwater monitoring, perform post-closure care and monitoring, and is under corrective action activities which are described in detail in Permit Sections 10 - 13. The Permittee must comply with all terms and conditions of this Permit. This Permit consists of the conditions contained herein, the Permit Application, and the applicable regulations contained in 40 CFR Parts 124, 260 through 270, and Sections 206, 212, and 224 of HSWA, which require corrective action for all releases of hazardous wastes or constituents from any solid waste management unit (SWMU) at a treatment, storage, or disposal unit seeking a Permit, regardless of the time at which waste was placed in such unit, as specified in the Permit. If there are conflicts between this Permit and the Permit Application, the Permit shall prevail. Applicable regulations are those that are in effect on the date of issuance of the Permit, in accordance with 40 CFR 270.32(c) and NAC 444.8632.

This Permit is based on the assumption that the information submitted in the Part A and Part B Permit Application originally dated October 29, 2009, as modified by subsequent amendments (hereafter referred to as the Permit Application) is accurate, and that the facility will be constructed, operated and closed as specified in the Permit Application and this Permit.

Any inaccuracies found in the submitted information may be grounds for the termination, revocation and reissuance, or modification of this Permit in accordance with 40 CFR 270.41, 270.42, 270.43, and NAC 444.8632 and for enforcement action. The Permittee must inform the Director of any deviation from or changes in the information in the application, which would affect the Permittee's ability to comply with the applicable regulations or Permit conditions. Failure to comply with any term or condition set forth in this Permit in the time or manner specified herein will subject the Permittee to possible enforcement action and penalties pursuant to NRS 459.565, 459.570, 459.585, and 459.595.

This Permit became effective **December 8, 2011** and shall remain in effect in accordance with 40 CFR 270.51(a) and NAC 444.8632 until the Permit Renewal is issued, unless revoked and reissued under 40 CFR 270.41 and NAC 444.8632, or terminated under 40 CFR 270.43 and NAC 444.8632.

This Permit shall be reviewed by the Director five years after the date of Permit issuance or reissuance and shall be modified as necessary, as provided in NRS 459.520 (4) and 40 CFR 270.50 (d).

Signature on file *originally issued on December 8, 2011*

R. Eric Noack Date

Chief, Bureau of Waste Management

*Revisions:

Revision 1: Class 1* Modification: July 27, 2015
Revision 2: Class 3 Modification: June 13, 2016
Revision 3: Class 1* Modification: August 30, 2018
Revision 4: Class 1* Modification: January 31, 2019
Revision 5: Class 2 Modification: September 26, 2019

M. Leigh

Mike Leigh
Supervisor, RCRA Facilities Branch
Bureau of Sustainable Materials Management

1. SUMMARY

The Permittee is a commercial hazardous waste Treatment, Storage and Disposal Facility (TSDF). The Permittee may store, treat and dispose of all waste identified in the *Part A Permit Application* and managed as identified in the *Part B Permit Application*, both of which are adopted by reference and are attachments to this Permit. Wastes managed include RCRA hazardous waste, polychlorinated biphenyl waste, state-designated hazardous wastes and non-hazardous wastes. The facility may receive, store and process bulk or containerized wastes; and dispose of these wastes when they meet the LDR requirements. The facility is currently required to conduct groundwater monitoring, leachate monitoring and soil vapor extraction. Since the facility includes land disposal units, it will not be clean-closed and will require post-closure care.

Storage of waste is described in Sections 3 (Container Management Conditions) and 4 (Tank Storage Conditions), tank treatment is described in Section 5 (Tank Treatment Conditions), and land disposal is described in Section 7 (Landfill Disposal Conditions). The facility also accepts waste that may be subject to 40 CFR 264 Subpart AA, BB and CC with requirements identified in Section 9 (Organic Air Emissions Conditions). The groundwater monitoring required, at the time this permit was issued, is described in Sections 10 (Groundwater Detection Monitoring) and 11 (Groundwater Compliance Monitoring). The requirements for waste minimization, corrective action and financial assurance are described in Sections 8 (Waste Minimization Conditions), 12A (Corrective Action Conditions for Regulated Units), 12B (Corrective Action Conditions for SWMU & AOC) and 14 (Financial Assurance Conditions), respectively. The post-closure requirements for the hazardous waste landfills are described in Section 13 (Post-Closure Care). All regulations cited in this Permit refer to regulations in effect on the date of issuance of this Permit. The Permittee is to maintain compliance with the conditions contained in this Permit and any self-implementing regulations promulgated after issuance.

1.1. EFFECT OF PERMIT

The Permittee is authorized to accept, treat, store, and dispose of on-site hazardous waste in accordance with the conditions of this Permit and its attachments. Any acceptance, treatment, storage, or disposal of hazardous waste not authorized in this Permit is prohibited. Subject to 40 CFR 270.4, compliance with this Permit generally constitutes compliance, for purposes of enforcement, with Subtitle C of the Resource Conservation and Recovery Act (RCRA), Nevada Revised Statutes (NRS) 459.400 through 459.600, Nevada Administrative Code (NAC) 444.842 through 444.8746, NAC 444.960, and with the Hazardous & Solid Waste Amendments of 1984 (HSWA). Issuance of this Permit does not convey any property rights of any sort, nor any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any order issued or any action brought under Sections 3008(a), 3008(h), 3013, or 7003 of RCRA; Sections 106(a), 104 or 107 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9601 et seq., commonly known as CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986, NRS 459.400 through NRS 459.600, or any other law providing for protection of public health or the environment. Compliance with the terms of this Permit shall not relieve the Permittee of its obligation to comply with any other applicable local, state, or federal

laws and regulations *[40 CFR 270.4, 270.30(g)]*

The State of Nevada has adopted 40 CFR Subpart A of Part 2, portions of Subparts A and B of Part 124, Parts 260 through 270, inclusive, by reference in NAC 444.8632 with exceptions listed at 444.86325 and as revised at 444.8633 and NAC 444.8634. Therefore, all references to 40 CFR in this Permit are as they are adopted in NAC 444.8632 through 444.8634.

1.2. PERMIT ACTIONS

1.2.1. Permit Modification, Revocation and Re-issuance, and Termination

This Permit may be modified, revoked and reissued, or terminated for cause, as specified in 40 CFR 270.41, 270.42, and 270.43. The filing of a request for a permit modification, revocation and reissuance, or termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee, does not stay the applicability or enforceability of any Permit condition. *[40 CFR 124.5(c), 270.4(a) and 270.30(f)]*

Modifications and/or updates to information provided in the Part A and B Permit Applications may require the Permittee to file a request for a permit modification. As such, the Permittee must provide information on any modifications and/or updates to the Director. Any changes in hazardous waste operating procedures require approval prior to implementation.

1.2.2. Permit Renewal

This Permit may be renewed as specified in 40 CFR 270.30(b) and Permit Condition 1.5.3. Review of any application for a permit renewal shall consider improvements in the state of control and measurement technology, as well as changes in applicable regulations.

[40 CFR 270.30(b), HSWA Sec. 212]

1.3. SEVERABILITY

The provisions of this Permit are severable, and if any provision of this Permit, or the application of any provision of this Permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this Permit shall not be affected thereby. *[40 CFR 124.16(a)]*

1.4. DEFINITIONS

For purposes of this Permit, terms used herein shall have the same meaning as those in NAC 444.842 through 444.8746, and 40 CFR Parts 124, 260, 261, 264, 266, 268, and 270, unless this Permit specifically provides otherwise; where terms are not defined in the regulations or the Permit, the meaning associated with such terms shall be defined by a standard dictionary reference or the generally accepted scientific or industrial meaning of the term. For purposes of this Permit, the definitions listed below will apply:

1.4.1. Action Levels

Health- and environmental-based levels determined by EPA or NDEP to be indicators for protection of human health and/or the environment. Contamination exceeding action levels

indicates a potential threat to human health and/or the environment, which may require further study. Action levels are also used as reference points for developing final cleanup standards.

1.4.2. Administrator

The Administrator of the Nevada Division of Environmental Protection (NDEP), a designee or an authorized representative.

1.4.3. Area of Concern (AOC)

Any area having a probable release of a hazardous waste or hazardous constituent regardless of whether they are associated with a specific solid waste management unit (SWMU) and is determined by the Director to pose a current or potential threat to human health or the environment.

1.4.4. Cell

A discrete area and volume of a hazardous waste landfill which uses a liner system and dedicated leachate collection and leak detection sumps to provide isolation of wastes from adjacent cells of the landfill. Also, commonly identified as a constructed phase of the landfill.

1.4.5. Certified Laboratory

A laboratory that has been approved by the Director to perform specific analyses referenced in NRS 459.500.

1.4.6. Closure Plan

The plan for closure prepared in accordance with the requirements of 40 CFR 264.112.

1.4.7. Compliance Period

The number of years equal to the active life of the unit prior to the Director's approval of certification of closure and subsequent post-closure period, if applicable.

1.4.8. Contamination

The presence of any hazardous constituent in a concentration which exceeds the naturally occurring concentration of that constituent in areas which should not be affected by the operations of the facility.

1.4.9. Corrective Action

May include all corrective actions necessary to protect human health and the environment for all releases of hazardous waste or hazardous constituents at the facility, regardless of the time at which waste was placed in the unit, as required under 40 CFR 264.101. Corrective action may address releases to air, soil, surface water sediment, groundwater, or subsurface gas.

1.4.10. Current Closure Cost Estimate

The most recent of the estimates prepared in accordance with 40 CFR 264.142 (a), (b), and (c).

1.4.11. Current Post-Closure Cost Estimate

The most recent of the estimates prepared in accordance with 40 CFR 264.144 (a), (b), and (c).

1.4.12. Days

Calendar days, unless otherwise specified.

1.4.13. Director

The Director of the Nevada Department of Conservation and Natural Resources (DCNR), a designee or an authorized representative.

1.4.14. Discover, Discovery and Discovered

The date on which the Permittee or a Division representative either:

(1) Visually observes evidence of a new SWMU or AOC;
(2) Visually observes evidence of a previously unidentified release of hazardous constituents to the environment; or
(3) Receives information which suggests the presence of a new release of hazardous waste or hazardous constituents to the environment.

1.4.15. Division

The Nevada Division of Environmental Protection (NDEP), including personnel thereof authorized by the Administrator to act on behalf of the Division.

1.4.16. Extent of Contamination

The horizontal and vertical area in which the concentrations of hazardous constituents in the environmental media being investigated are above the naturally occurring concentration of that constituent in areas which should not be affected by the operations of the facility.

1.4.17. Facility

Includes all contiguous property and structures, other appurtenances, and improvements on the property, used for treatment, storage or disposal of hazardous waste. For the purpose of implementing corrective action under 40 CFR 264.100 and 264.101, "facility" includes all contiguous property under the control of the operator seeking a Permit under Subtitle C of RCRA.

1.4.18. Hazardous Constituents

Those substances listed in Appendix VIII of 40 CFR 261 and/or Appendix IX of 40 CFR Part 264.

1.4.19. Hazardous Waste Management Unit (HWMU)

A contiguous area of land on or in which hazardous waste is managed, or the largest area in which there is significant likelihood of mixing hazardous waste constituents in the same area. Examples of hazardous waste management units include surface impoundments, waste piles, land treatment areas, landfill cells, incinerators, tanks and their associated piping and underlying containment system, and container storage areas. A container alone does not constitute a unit; the unit includes containers and the land or pad upon which they are managed**.**

1.4.20. Interim Measures

Actions necessary to minimize or prevent the further migration of contaminants and limit actual or potential human and environmental exposure to contaminants while long-term corrective action

remedies are evaluated and, if necessary, implemented.

1.4.21. Land Disposal

Placement in or on the land, except for a Corrective Action Management Unit (CAMU) or staging pile. This includes, but is not limited to, placement in a landfill, surface impoundment, waste pile, injection well, land treatment facility, salt dome formation, salt bed formation, underground mine or cave, or placement in a concrete vault or bunker intended for disposal purposes.

1.4.22. Landfill

Part of the facility where hazardous waste is or was placed in or on the land and which is not a pile, a land treatment unit, a surface impoundment, an underground injection well, a salt dome formation, a salt bed formation, an underground mine, a cave, or a Corrective Action Management Unit (CAMU).

1.4.23. Permittee

The entity (person(s) or corporation) to whom this Permit is issued.

1.4.24. Post-Closure Care Period

A thirty year period beginning when a hazardous waste management unit is certified as closed and during which time the Permittee shall be required to maintain, monitor, and report in accordance with the appropriate requirements of 40 CFR 264 Subparts F, K, L, M, N, and X. The post closure care period is unit specific and may be more or less than thirty years. The Director may modify the post closure care period applicable to a unit if it is found that an extended or reduced period is sufficient to protect human health and the environment.

1.4.25. Post-Closure Plan

The plan for post-closure care prepared in accordance with the requirements of 40 CFR 264.117 through 40 CFR 264.120

1.4.26. Qualified Professional Engineer

A person who by reason of his/her professional education and practical experience is granted a license by the Nevada State Board of Professional Engineers and Land Surveyors to practice professional engineering.

1.4.27. Release

Any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, 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).

1.4.28. Remediation Waste

All solid and hazardous wastes, and all media (including groundwater, surface water, soils, and sediments) and debris, which contain listed hazardous wastes or which themselves exhibit a hazardous waste characteristic, that are managed for the purpose of implementing corrective action

requirements under 40 CFR 264.100, 264.101 and RCRA Section 3008(h). *[40 CFR 260.10]*

1.4.29. Schedule of Compliance

A schedule of remedial measures included in this Permit, including an enforceable sequence of interim requirements (for example, actions, operations, or milestone events) leading to compliance with the Resource Conservation and Recovery Act and/or the State of Nevada Hazardous Waste Management Regulations.

1.4.30. Solid Waste

Any garbage, refuse, sludge from a waste treatment plant, water supply treatment plant, or air pollution control facility and other discarded material, including solid, liquid, semisolid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations, and from community activities, but does not include solid or dissolved material in domestic sewage, or solid or dissolved materials in irrigation return flows or industrial discharges which are point sources subject to permits under Section 402 of the Federal Water Pollution Control Act, as amended (86 Stat. 880), or source, special nuclear, or byproduct material as defined by the Atomic Energy Act of 1954, as amended (68 Stat. 923).

1.4.31. Solid Waste Management Unit (SWMU)

Any unit which has been used for the treatment, storage, or disposal of solid waste at any time, irrespective of whether the unit is or ever was intended for the management of solid waste. RCRA hazardous waste management units are also solid waste management units. SWMUs include areas that have been contaminated by routine and systematic releases of hazardous waste or hazardous constituents, excluding one-time accidental spills that are immediately remediated and cannot be linked to solid waste management activities (e.g. product or process spills).

1.4.32. Temporary Unit (TU)

Any temporary tanks and/or container storage areas used solely for treatment or storage of hazardous remediation wastes during remedial activities required under 40 CFR 264.101 or RCRA Section 3008(h). Temporary Units must be designated by the Director and must conform to specific standards as specified in 40 CFR 264.553.

1.4.33. Unit

Includes, but is not limited to, any landfill, surface impoundment, waste pile, land treatment unit, incinerator, injection well, tank, container storage area, wastewater treatment unit, elementary neutralization unit, or recycling unit.

1.5. DUTIES AND REQUIREMENTS

1.5.1. Duty to Comply

The Permittee shall comply with all conditions of this Permit, except that the Permittee need not comply with the conditions of this Permit to the extent and for the duration such noncompliance is authorized by an Emergency Permit (see 40 CFR 270.61). Any Permit noncompliance, except under the terms of an Emergency Permit, constitutes a violation of the appropriate Act and is

grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a Permit renewal application. *[40 CFR 270.30(a)]*

1.5.2. Compliance Schedules

Any schedule of compliance established subsequent to the issuance of this Permit shall be adopted by reference as a condition of Permit compliance as if fully set forth herein.

1.5.3. Duty to Reapply

If the Permittee wishes to continue an activity allowed by this Permit after the expiration date of this Permit, the Permittee shall submit a complete application for a new Permit at least 180 days prior to Permit expiration. *[40 CFR 270.10(h), 270.30(b)]*

1.5.4. Permit Expiration

Pursuant to NRS 459.520 (4), this Permit shall be effective for a fixed term not to exceed five (5) years. As long as the Director is the Permit-issuing authority, this Permit and all conditions herein shall remain effective beyond the expiration date, if the Permittee has submitted a timely, complete application (see 40 CFR 270.10, 270.13 through 270.29) and, through no fault of the Permittee, the Director has not issued a new Permit, as set forth in 40 CFR 270.51.

1.5.5. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the Permitted activity in order to maintain compliance with the conditions of this Permit. *[40 CFR 270.30(c)]*

1.5.6. Duty to Mitigate

In the event of noncompliance with this Permit, the Permittee shall take all reasonable steps to minimize releases to the environment and shall carry out such measures, as are reasonable, to prevent significant adverse impacts on human health or the environment. *[40 CFR 270.30(d)]*

1.5.7. Proper Operation and Maintenance

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance/quality control procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of this Permit.

[40 CFR 270.30(e)]

1.5.8. Permit Actions

This Permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any Permit condition.

[40 CFR 270.30(f)]

1.5.9. Property Rights

This Permit does not convey any property rights of any sort, nor any exclusive privilege.

[40 CFR 270.30(g)]

1.5.10. Duty to Provide Information

The Permittee shall furnish to the Director, within a reasonable time, any relevant information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Permit, or to determine compliance with this Permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit.

[40 CFR 264.74(a), 270.30(h)]

1.5.11. Inspection and Entry

The Permittee shall allow the Director, or an authorized representative, upon presentation of credentials and other documents, as may be required by law, to: *[40 CFR 270.30(i)]*

1. Enter at reasonable times upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and
4. Sample or monitor, at reasonable times, for the purposes of assuring Permit compliance or as otherwise authorized by RCRA, any substances or parameters at any location.

1.5.12. Monitoring and Records

1.5.12.1. Samples and measurements taken for monitoring shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from Appendix I of 40 CFR Part 261 or an equivalent method approved by the Director. Laboratory methods must be those specified in the current edition (and its current update) of EPA manual SW-846: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods – Standard Methods of Wastewater Analysis, or an equivalent method, as specified in the Waste Analysis Plan, Section 8 of the Permit Application.

[40 CFR 270.30(j)(1)]

1.5.12.1.1. Both groundwater and soil samples for regulatory monitoring and remedial efforts must be sent to a Nevada-certified laboratory for analyses. As a permitted hazardous waste management facility, the on-site laboratory is not required to be state-certified if the laboratory is solely utilized for the purposes of on-site management of wastes. *[NRS 445A.425 and 445A.427]*

1.5.12.2. The Permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Permit, the certification required by 40 CFR 264.73(b)(9), and records of all data used to complete the application for this Permit, for a period of at least three (3) years from the date of the sample, measurement, report, record,

certification, or application. In addition, the Permittee shall maintain records from all groundwater monitoring wells and associated groundwater surface elevations for the active life of the facility and throughout post-closure. These periods may be extended by request of the Director at any time and are automatically extended during the course of any unresolved enforcement action regarding this facility. *[40 CFR 264.74(b) and 270.30(j)(2)]*

1.5.12.3. Records of monitoring information shall include: *[40 CFR 270.30(j)(3)]*

1. The date(s), exact place(s), and time(s) of sampling or measurements;
2. The individual(s) who performed the sampling or measurements;
3. The date(s) analyses were performed;
4. The individual(s) who performed the analyses;
5. The analytical techniques or methods used; and
6. The results of such analyses.

1.5.13. Signatory Requirement

All applications, reports, or information submitted to or requested by the Director, a designee, or an authorized representative, shall be signed and certified in accordance with 40 CFR 270.11.
[40 CFR 270.30(k)]

1.5.14. Reporting Requirements

1.5.14.1. Reporting Planned Changes

The Permittee shall give notice to the Director, as soon as possible, of any planned physical alterations or additions to the permitted facility. *[40 CFR 270.30(l)(1)]*

1.5.14.2. Reporting Anticipated Non-Compliance

The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity, which may result in noncompliance with Permit requirements.
[40 CFR 270.30(l)(2)]

1.5.14.3. Certification of Construction or Modification

The Permittee may not commence treatment, storage or disposal of hazardous waste in any modified or newly constructed portion of the facility until:

1. The Permittee has submitted to the Director, by certified mail or hand delivery, a letter signed by the Permittee and a qualified Professional Engineer stating that the facility has been constructed or modified in compliance with the Permit; and
[40 CFR 270.30(l)(2)(i)]

2. (A) The Director has inspected the modified or newly constructed facility and finds it is in compliance with the conditions of the Permit; or
[40 CFR 270.30(l)(2)(ii)(A)]

(B) Within fifteen (15) calendar days of the date of submission of the letter in Section 1.5.14.3.1, if the Permittee has not received notice from the Director of his or her

intent to inspect, prior inspection is waived and the Permittee may commence treatment, storage, or disposal of hazardous waste. *[40 CFR 270.30(l)(2)(ii)(B)]*

1.5.14.4. Transfer of Permits

This Permit is not transferable to any person, except after notice to the Director. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under RCRA. (See 40 CFR 270.40.) Before transferring ownership or operation of the facility during its operating life (or during its post-closure period, if applicable), the Permittee shall notify the new owner or operator in writing of the requirements of 40 CFR Parts 264 and 270, NAC 444.842 through NAC 444.8746, NAC 444.960, and this Permit.

[40 CFR 270.30(l)(3), 40 CFR 264.12(c), 40 CFR 270.40]

1.5.14.5. Monitoring Reports

Monitoring results shall be reported at the intervals specified elsewhere in this Permit or as required by a compliance schedule issued pursuant to Permit Condition 1.5.2.

[40 CFR 270.30(l)(4)]

1.5.14.6. Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit or issued as an enforcement action, shall be submitted no later than fourteen (14) calendar days following each schedule date. *[40 CFR 270.30(l)(5)]*

1.5.14.7. Twenty-Four Hour Reporting

1.5.14.7.1. The Permittee shall report to the Director any noncompliance which may endanger human health or the environment. Any such information shall be reported orally within 24 hours from the time the Permittee becomes aware of the circumstances. This includes any release[i] to the environment pursuant to 40 CFR 264.196(d); and any fire or explosion at or near a permitted unit or hazardous waste management area. The report shall include the following:

1. Information concerning release of any hazardous waste that may cause an endangerment to public drinking water supplies.
2. Any information of a release or discharge of hazardous waste, or of a fire or explosion from the hazardous waste management facility, which could threaten the environment or human health.
3. Incidents and releases which may endanger human health or the environment, and spills in excess of Reportable Quantities, shall be reported directly to the NDEP Reporting Hotline at (888) 331-6337 or (775) 687-9485.

1.5.14.7.2. The description of the occurrence and its cause shall include:

1. Name, address, and telephone number of the owner or operator;
2. Name, address, and telephone number of the facility;

[i] Pursuant to 40 CFR 264.196(d), a release of one pound or less of hazardous waste that is immediately contained and cleaned-up, need not be reported.

4. Date, time, and type of incident;
5. Name and quantity of material(s) involved;
6. The extent of injuries, if any;
7. An assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable; and
8. Estimated quantity and disposition of recovered material that resulted from the incident. *[40 CFR 270.30(l)(6)(ii)]*

A written submission shall also be provided within five days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period(s) of noncompliance (including exact dates and times); and, if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The Director may waive the five-day written notice requirement in favor of a written report within fifteen (15) days (40 CFR 264.56(i)). *[40 CFR 270.30(l)(6)]*

1.5.14.7.3. In the event of a release to the environment from a tank system, the Permittee shall submit a report to the Director within thirty (30) days of the detection of the release. The report shall contain the following information*:* *[40 CFR 264.196(d)(3)]*

1. Likely route of migration of the release;
2. Characteristics of the surrounding soil (soil composition, geology, hydrogeology, climate);
3. Results of any monitoring or sampling conducted in connection with the release (if available). If sampling or monitoring data relating to the release are not available within thirty (30) days, these data must be submitted to the Director as soon as they become available;
4. Proximity to downgradient drinking water, surface water, and populated areas; and
5. Descriptions of response actions taken or planned.

1.5.14.8. Manifest Discrepancy Report

If a significant discrepancy in a manifest is discovered, the Permittee must attempt to reconcile the discrepancy. If not resolved within fifteen (15) days, the Permittee must submit a letter report, including a copy of the manifest, to the Director. (See 40 CFR 264.72.)

[40 CFR 270.30(l)(7)]

1.5.14.9. Unmanifested Waste Report

A report must be submitted to the Director within fifteen (15) calendar days of receipt of unmanifested hazardous waste. (See 40 CFR 264.76.) *[40 CFR 270.30(l)(8)]*

1.5.14.10. Biennial Report

A Biennial Report must be submitted by March 1st of each even numbered year, covering facility activities during the previous calendar year and the information in 40 CFR 264.75.

[40 CFR 270.30(l)(9)]

1.5.14.11. Other Noncompliance

The Permittee shall report all instances of noncompliance not otherwise required to be reported

above, at the time monitoring reports are submitted. The reports shall contain the information listed in Permit Condition 1.5.14.7. *[40 CFR 270.30(l)(10)]*

1.5.14.12. Other Information

Whenever the Permittee becomes aware that it failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application or in any report to the Director, the Permittee shall promptly submit such facts or information.

[40 CFR 270.30(l)(11)]

1.5.15. Information Repository

The Permittee shall maintain at the facility the information repository created in support of all Permit applications, renewals and modifications pursuant to 40 CFR 124.33(c) through (f) for the life of the facility. *[40 CFR 270.30(m)]*

1.6. REPORTS, NOTIFICATIONS, AND SUBMISSIONS TO THE DIRECTOR

All reports, notifications, or other submissions required by this Permit must be sent to the addressee shown below and must be **received** by the specified due date:

RCRA Permitting Branch Supervisor
Bureau of Sustainable Materials Management
Nevada Division of Environmental Protection
901 S. Stewart St., Suite 4001
Carson City, NV 89701-5249

1.7. CONFIDENTIAL INFORMATION

In accordance with 40 CFR 270.12, the Permittee may claim confidential any information required to be submitted by this Permit.

1.8. DOCUMENTS TO BE MAINTAINED AT THE FACILITY

The Permittee shall maintain at the facility, until closure is completed and certified by an independent qualified Professional Engineer, the following documents and all amendments, revisions and modifications to these documents:

1. Waste Analysis Plan, as required by 40 CFR 264.13 and this Permit;
2. Inspection Schedules, as required by 40 CFR 264.15(b)(2) and this Permit;
3. Personnel Training Documents and Records, as required by 40 CFR 264.16(d) and this Permit;
4. Contingency Plan, as required by 40 CFR 264.53(a) and this Permit;
5. Operating Record, as required by 40 CFR 264.73 and this Permit;
6. Closure Plan, as required by 40 CFR 264.112(a) and this Permit;
7. Post-Closure Plan, as required by 40 CFR 264.118(a) and this Permit;
8. Annually-adjusted Cost Estimate for facility closure & post-closure, as required by 40 CFR

264.142(d) & 264.144(d), respectively, and this Permit;

9. Information Repository, as required by 40 CFR 270.30(m) and this Permit;
10. Facility Operations Plan, as required by the TSCA Approval;
11. All Groundwater Monitoring Records, inclusive of installation details for all wells, as required by this Permit or otherwise;
12. Corrective Action Plans and Reports;
13. All instances of implementation of the Contingency Plan;
14. All correspondence between the Division and the facility related to changes or modifications to this Permit or notifications of noncompliance and inspection reports; and
15. Unusual Occurrence Reports (examples: all manifest discrepancies, deficiencies found as a result of an inspection, all releases whether contained by secondary containment or not, all injuries to personnel, all activations of the alarm system, any non-compliance with this Permit, etc.).

1.9. COMPLIANCE SCHEDULES

Refer to specific sections of this Permit for any compliance schedules established by the Director.

2. SUMMARY

The Permittee is required to operate the facility consistent with the accepted practices detailed in this and other sections of this Permit and the corresponding Permit Application in order to minimize the possibility of releases to the environment or harm to either employees or the public at large.

2.1. DESIGN AND OPERATION OF FACILITY

The Permittee shall construct, maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned, sudden or non-sudden release of hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment as required by 40 CFR 264.31 and in accordance with the management practices and procedures specified in the permit application.

2.2. REQUIRED NOTICES

2.2.1. Hazardous Waste Imports

The Permittee shall notify the Director, on an annual basis, with a list of the hazardous wastes received from foreign sources, as required by 40 CFR 264.12(a).

2.2.2. Hazardous Waste from Off-Site Sources

When the Permittee is to receive hazardous waste from an off-site source (except where the Permittee is also the generator), the Permittee must inform the generator in writing that they have the appropriate Permit(s) for, and will accept, the waste the generator is shipping. The Permittee must keep a copy of this written notice as part of the operating record. *[40 CFR 264.12(b)]*

2.3. GENERAL WASTE ANALYSIS

The Permittee shall comply with the waste analysis requirements of 40 CFR 264.13, follow the Waste Analysis Plan procedures of Permit Application Section 8 and the USEN Laboratory QA/QC Plan, and the conditions listed below:

2.3.1. The Permittee shall verify the analysis of each waste stream, at least annually or anytime there is a change in the waste stream, as part of its quality assurance program, in accordance with Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, EPA Publication SW-846 or an equivalent method as specified in the Waste Analysis Plan and approved by the Director. At a minimum, the Permittee shall maintain proper functional instruments, use approved sampling and analytical methods, verify the validity of sampling and analytical procedures, and perform correct calculations. If the Permittee uses a contract laboratory to perform analyses, then the Permittee shall inform the laboratory in writing that it must use analytical methods and operate under the waste analysis conditions set forth in this Permit.

2.3.2. Waste Stream Review

The Permittee shall submit to the Director for review, all new waste streams, including non-hazardous wastes, submitted to the Permittee for treatment, storage and/or disposal. The submitted

information shall contain the following documents:

1. A completely filled-out Waste Profile Form (WPF), including any Land Disposal Certification (LDR), signed by the generator or authorized agent;
2. A Technical Review Sheet (TRS); and
3. Other information as requested by the Director.

2.4. SECURITY

The Permittee shall comply with the security provisions of 40 CFR 264.14 and the Security Plan in Permit Application Section 4 (Security Plan).

2.5. GENERAL INSPECTION REQUIREMENTS

The Permittee shall comply with the Inspection Plan requirements of 40 CFR 264.15 and follow the Inspection Plan procedures in the Permit Application Section 5 (Facility Inspection Plan). The Permittee shall remedy any deterioration or malfunction discovered by an inspection, as required by 40 CFR 264.15(c). Records of all inspection shall be kept, as required by 40 CFR 264.15(d).

2.6. PERSONNEL TRAINING

The Permittee shall conduct personnel training, as required by 40 CFR 264.16. This training program shall follow the Personnel Training Program procedures in the Permit Application Section 6 (Personnel Training Plan) and maintain training documents and records, as required by 40 CFR 264.16(d) and (e).

2.6.1. Training Program

2.6.1.1. Facility Personnel

Facility personnel must successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that ensures the facility's compliance with the requirements of this Permit. The Permittee must ensure that this program includes all the elements described in the document required under 40 CFR 264.16(d)(3). *[40 CFR 264.16(a)(1)]*

2.6.1.2. Instructor Qualifications

The training program must be directed by a person trained in hazardous waste management procedures. *[40 CFR 264.16(a)(2)]*

2.6.1.3. Training Content

The training program must include instruction which teaches facility personnel hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed. *[40 CFR 264.16(a)(2)]*

2.6.1.4. Emergency Response

2.6.1.4.1. At a minimum, the training program must be designed to ensure that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures,

emergency equipment, and emergency systems, including, where applicable:

[40 CFR 264.16(a)(3)]

1. Procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment;
2. Key parameters for automatic waste feed cut-off systems;
3. Communications or alarm systems;
4. Response to fires or explosions;
5. Response to ground-water contamination incidents; and
6. Shutdown of operations.

2.6.1.4.2. For facility employees that receive emergency response training pursuant to Occupational Safety and Health Administration (OSHA) regulations 29 CFR 1910.120(p)(8) and 1910.120(q), the facility is not required to provide separate emergency response training pursuant to this Permit Section, provided that the overall facility training meets all the requirements of this permit. *[40 CFR 264.16(a)(4)]*

2.6.2. Training Schedule

Facility personnel must successfully complete the program required in Permit Condition 2.6.1 within six months after the date of their employment or assignment to the facility, or to a new position at the facility, whichever is later. Newly hired employees must not work in unsupervised positions until they have successfully completed the training requirements in Permit Conditions 2.6.1.1 through 2.6.1.4, above. *[40 CFR 264.16(b)]*

2.6.3. Annual Review

Facility personnel must take part in an annual review of the initial training required in Permit Condition 2.6.1, above. *[40 CFR 264.16(c)]*

2.6.4. Documentation

The Permittee must maintain the following documents and records at the facility:

[40 CFR 264.16(d)]

1. The job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job;
2. A written job description for each position listed under (1), above. This description may be consistent in its degree of specificity with descriptions of other similar positions in the same company location or bargaining unit, but must include the requisite skill, education, or other qualifications, and duties of employees assigned to each position;
3. A written description of the type and amount of both introductory and continuing training that will be given to each person filling a position listed under (1), above.
4. Records that document that the training or job experience required under Permit Conditions 2.6.1, 2.6.2 and 2.6.3, above, has been given to, and completed by, facility personnel.

2.6.5. Recordkeeping

Training records on current personnel must be kept until closure of the facility; training records on former employees must be kept for at least three years from the date the employee last worked at

the facility. Personnel training records may accompany personnel transferred within the same company. *[40 CFR 264.16(e)]*

2.7. SPECIAL PROVISIONS

2.7.1. Special Provisions for Ignitable, Reactive, or Incompatible Waste

The Permittee shall comply with the requirements of 40 CFR 264.17 and follow the procedures for handling ignitable, reactive, and incompatible wastes set forth in Permit Application Sections 9.2.5 and 9.2.6 (Container Management Plan) and Section 10.7 (Tank Systems Report).

2.7.2. Special Provisions for State-Hazardous Waste

2.7.2.1. The Permittee shall manage all waste that is designated as hazardous waste in the state of its origin (e.g., California) [See NAC 444.843.2(c)] as hazardous waste. This shall be done in accordance with the terms of this permit, upon acceptance, when brought to the facility and during storage and/or treatment while at the facility.

2.7.2.2. Waste originally designated as hazardous waste in its state of origin shall be manifested as hazardous waste when shipped offsite, unless it has been treated at the facility and is demonstrated to be non-hazardous through subsequent waste determination.

2.8. RESTRICTED WASTES

The Permittee is not authorized to receive, treat, store, dispose of, or otherwise manage the following:

1. Waste that is not identified as "permitted" in:
   (a) Permit Section 3.3;
   (b) Permit Section 4.1;
   (c) Permit Section 5.1; or
   (d) Permit Section 7.1;
2. Any radioactive material that is not exempt from regulation and licensing or is not expressly authorized for storage, treatment or disposal under this Permit, or any radioactive or nuclear waste material, which requires specific licensing or permitting under any other rules of state or federal authorities for disposal or transshipment;
3. Compressed or pressurized gases which are a hazardous waste (not to include retail aerosol containers, retail propane/butane cylinders of 1 lb or less, or automotive struts);
4. Class 1, Division 1.1 or 1.2, or forbidden explosives (49 CFR Part 173.50), or any explosive material, as defined by USDOT under 49 CFR Part 173;
5. Biological Agents, Etiologic Agents or infectious wastes;
6. Bulk liquids for direct disposal, or containerized liquids (except lab packs) for direct disposal; or bulk hazardous liquids to which absorbents have been added (use of liquids as dust suppression in accordance with Permit Application Section 11.3.11 is not considered disposal under this section);
7. Reactive material as defined in 40 CFR Part 261.23, that is not treated to meet the

requirements of 40 CFR Part 268 prior to disposal;

8. Liquid organic peroxides with concentration exceeding 5% by volume;
   [NDEP-USEN e-mail dated January 9, 2008]
9. Containerized liquids (Lab packs) with biodegradable absorbents (40 CFR 264.316(b)); or
10. The hazardous waste described as "prohibited" in:
    (a) Permit Section 3.3;
    (b) Permit Section 4.1.2;
    (c) Permit Section 5.1.2; or
    (d) Permit Section 7.1.2.

2.9. PREPAREDNESS AND PREVENTION

2.9.1. Required Equipment

At a minimum, the Permittee shall maintain at the facility the equipment as required by 40 CFR 264.32 and as set forth in the Contingency Plan (Permit Application Section 7).

2.9.2. Testing and Maintenance of Equipment

The Permittee shall test and maintain the equipment specified in Permit Condition 2.9.1, as necessary, to assure its proper operation in time of emergency (see inspection schedule in Table 1 in Section 5 of the Permit Application), as required by 40 CFR 264.33.

2.9.3. Access to Communications or Alarm System

2.9.3.1. Whenever hazardous waste is being poured, mixed, spread, or otherwise handled, all personnel involved in the operation must have immediate access to an internal alarm or emergency communication device, either directly or through visual or voice contact with another employee. *[40 CFR 264.34(a)]*

2.9.3.2. If there is ever just one employee on the premises while the facility is operating, he must have immediate access to a device, such as a telephone (immediately available at the scene of operation) or a hand-held two-way radio; capable of summoning external emergency assistance. *[40 CFR 264.34(b)]*

2.9.4. Required Aisle Space

The Permittee shall maintain a minimum of three (3) feet of aisle space between container rows, as described in Section 9.2.3.2 of the Permit Application, to facilitate inspections and the movement of emergency equipment and personnel. *[40 CFR 264.35]*

2.9.5. Arrangements with Local Authorities

The Permittee shall maintain, as required by 40 CFR 264.37, the arrangements with State and local authorities described in Permit Application Section 7.6.0 (Plan Distribution / Coordination Agreements). If any State or local officials refuse to enter into such arrangements, the Permittee must document this refusal in the Operating Record. *[40 CFR 264.37]*

2.10. CONTINGENCY PLAN

The Permittee must have a Contingency Plan for the facility which is designed to minimize hazards to human health or the environment from fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste. *[40 CFR 264.51(a)]*

2.10.1. Implementation of Plan

The Permittee shall immediately carry out the provisions of the RCRA Contingency Plan, Permit Application Section 7, whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which could threaten human health or the environment.

[40 CFR 264.51(b)]

2.10.2. Copies of Plan

A copy of the Contingency Plan and all revisions to the plan must be: *[40 CFR 264.53]*

1. Maintained at the facility; and
2. Submitted to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services.

2.10.3. Amendments to Plan *[40 CFR 264.54]*

The Contingency Plan must be reviewed and immediately amended, if necessary, whenever:

1. The facility Permit is revised;
2. The plan fails in an emergency;
3. The facility changes – in its design, construction, operation, maintenance, or other circumstances – in a way that materially increases the potential for fires, explosions, or releases of hazardous waste or hazardous waste constituents;
4. The response necessary in an emergency changes;
5. The list of emergency coordinators changes; or
6. The list of emergency equipment changes.

2.10.4. Emergency Coordinator

A qualified emergency coordinator shall be available at all times in case of an emergency, as required by 40 CFR 264.55. *[40 CFR 264.55]*

2.10.4.1. The Emergency Coordinator shall comply with the emergency procedures described in 40 CFR 264.56 and Section 7.3 (Implementation of the Facility Contingency Plan) of the Permit Application. *[40 CFR 264.56]*

2.11. MANIFEST SYSTEM

The Permittee shall comply with the manifest requirements of 40 CFR 264.71, 264.72 and 264.76 and NAC 444.8666(1)[i] and follow the procedures in Permit Application Section 8.6.5 (Waste Manifest Review & Discrepancy Resolution), consistent with: *[40 CFR 264.71 and 264.72]*

1. Signing and dating each copy of the manifest to certify that the hazardous waste covered

[i] Compliance with EPA's new Hazardous Waste Electronic Manifest (*e*-Manifest) System and User Fee Final Rule [*https://www.gpo.gov/fdsys/pkg/FR-2018-01-03/pdf/2017-27788.pdf*] is required.

by the manifest was received[ii];

2. Noting any significant discrepancies in the manifest as defined below, on each copy of the manifest:
   a. Waste Types – Manifest discrepancies between the type of hazardous waste designated on the manifest or shipping paper, and the type of hazardous waste the facility actually receives, or obvious differences which can be discovered by inspection or waste analysis, such as waste solvent substituted for waste acid, or toxic constituents not reported on the manifest or shipping paper; or
   b. Waste Quantities – For bulk waste, variations greater than 10 percent in weight, for batch waste, any variation in piece count, such as a discrepancy of one drum in a truckload.
3. Immediately giving the transporter at least one copy of the signed manifest;
4. Within thirty (30) days after the delivery, sending a copy of the manifest to the generator;
5. Retaining at the facility a copy of each manifest for at least three years from the date of delivery; and
6. Complying with the manifest discrepancies requirements of 40 CFR 264.72 by reconciling the discrepancy with the waste generator or transporter (e.g., with telephone conversations). If the discrepancy is not resolved within fifteen (15) days after receiving the waste, the Permittee must immediately submit to the Director a letter describing the discrepancy and attempts to reconcile it, and a copy of the manifest or shipping paper.

2.12. RECORDKEEPING AND REPORTING

In addition to the recordkeeping, reporting and fee requirements specified elsewhere in this Permit, the Permittee shall do the following:

2.12.1. Operating Record

2.12.1.1. The Permittee shall maintain a written operating record at the facility as required in 40 CFR 264.73. *[40 CFR 264.73]*

2.12.1.2. The Permittee shall maintain at the facility copies of waste minimization documents required in Permit Section 8 and shall make them available to any authorized representative of the Division or USEPA conducting an inspection. *[40 CFR 264.74]*

2.12.2. Quarterly Volume Reports and Fees

The Permittee shall submit to the Director a detailed volume fee breakdown report along with the quarterly volume fees due and the e-payment receipt within thirty (30) days after the end of each calendar quarter. *[NAC 444.8452]*

2.12.3. Annual Operating fee

The Permittee shall, on or before March 1 of each year, pay to the Division the annual operating fee. *[NAC 444.845]*

[ii] [*Comment:* The Director does not intend that the Permittee (who performs procedures under 40 CFR 264.13(c)) perform that analysis before signing the manifest and returning it to the transporter. 40 CFR 264.72(b), however, requires reporting an unreconciled discrepancy discovered during later analysis.]

2.12.4. Annual Report

In addition to complying with the biennial reporting requirements of 40 CFR 264.75, the Permittee shall prepare and submit an Annual Report to the Director by March 1 of each year with the following information:

1. The EPA identification number, name, and address;
2. The calendar year covered by the report;
3. For each waste stream (including shipments from foreign generators) received by the Permittee during the previous calendar year:
   a. The EPA identification number of each generator from which a waste stream was received;
   b. A description and quantity (in tons and cubic feet); and
   c. The methods of treatment, storage, and/or disposal;
4. The most recent closure and post-closure cost estimates (cost summary sheet);
5. A description of the waste minimization efforts undertaken during the previous year to reduce the volume and toxicity of wastes generated by the Permittee, including a description of the changes in volume and toxicity of waste actually achieved during the year in comparison to previous years;
6. A detailed listing and description of all rejected/denied shipments during the year and any related correspondence sent to a generator/broker;
7. Unusual Occurrence Report – Incidents for the facility during the year;
8. The results of tank integrity assessments completed during the year;
9. Reports, as applicable, required under 40 CFR 264.1065 pertaining to all equipment subject to Subpart BB standards;
10. Test results for sampling the liquid and solid phases in the Evaporation Pad, as described in Permit Condition 5.6.6;
11. Detailed Annual Lysimeter Performance Report. (A list of the required contents has been provided to the facility and a copy is available upon request); and
12. A certification statement signed by the facility manager or an authorized representative.

2.12.5. Biennial Report

The Permittee shall comply with the reporting requirements of 40 CFR 264.75 by submitting a report to the Division by March 1st of each even numbered year for the previous operating year.

2.13. GENERAL CLOSURE REQUIREMENTS

2.13.1. Performance Standard

The Permittee shall close the facility, as required by 40 CFR 264.111 and in accordance with the approved Closure Plan in Permit Application Section 15 (Scheduled Closure Plan).

2.13.2. Amendment to Closure Plan

The Permittee shall submit a written request for a permit modification, as described in 40 CFR

264.112(c), for any changes in the approved closure plan. *[40 CFR 264.112(c)]*

2.13.3. Notification of Closure

The Permittee shall notify the Director in writing at least 60 days prior to the date on which the facility expects to begin partial or final closure of the facility, and must fulfill the requirements of 40 CFR 264.112(d).

2.13.4. Time Allowed for Closure

After receiving the final volume of hazardous waste in any or all of the regulated units, the Permittee shall treat, remove from the unit or facility, or dispose of on-site all hazardous wastes and shall complete closure activities, in accordance with 40 CFR 264.113 and the schedules specified in Permit Application Section 15 (Scheduled Closure Plan), as determined by the Director.

2.13.5. Disposal or Decontamination of Equipment, Structures, and Soils

The Permittee shall decontaminate or ship offsite all contaminated equipment, structures, and soils, as required by 40 CFR 264.114 and the approved Closure Plan. In the event not all structures, soils or equipment can be decontaminated or shipped offsite, the Permittee shall close the facility and provide post-closure care in accord with 40 CFR 264 Subparts G and N.

2.13.6. Certification of Closure

The Permittee shall certify that a portion or all of the facility has been closed in accordance with the specifications in the Closure Plan (Permit Application Section 15) and as required by 40 CFR 264.115.

2.13.7. Survey Plat

The Permittee shall submit to the local land use authority, and to the Director, upon submission of the certification of closure of each hazardous waste disposal unit, a survey plat indicating the waste disposal locations and dimensions, with respect to permanently surveyed benchmarks, as required by 40 CFR 264.116.

2.14. GENERAL POST-CLOSURE REQUIREMENTS

2.14.1. Post-Closure Care Period

The Permittee shall begin post-closure care for each landfill after completion of closure of the unit and continue post-closure care for at least thirty (30) years after that date. Post-closure care shall be as required by 40 CFR 264.310(b) and in accordance with the approved Post-Closure Plan (Permit Application Section 17).

2.14.2. Post-Closure Care Security

The Permittee shall maintain security at the facility during the post-closure care period as required by 40 CFR 264.117(b) and in accordance with the approved Post-Closure Plan (Permit Application Section 17).

2.14.3. Amendment to Post-Closure Plan

The Permittee shall submit a written request for a permit modification, as described in 40 CFR 264.118(d), for any changes in the approved post-closure plan. *[40 CFR 264.118(d)]*

2.14.4. Post-Closure Notices

2.14.4.1. No later than sixty (60) days after certification of closure of each hazardous waste disposal unit, the Permittee shall submit to the local land use authority and to the Director records of the type, location, and quantity of hazardous waste disposed of within each cell or disposal unit, in accordance with 40 CFR 264.119(a).

2.14.4.2. Within sixty (60) days of certification of closure of each hazardous waste disposal unit, the Permittee shall submit:

1. A request to the Director and the Nevada Division of State Lands to record a notation on the deed (or other instrument normally examined during title search regarding the facility property), in accordance with 40 CFR 264.119(b)(1); and
2. A certification, signed by the Permittee, that the notation specified in 40 CFR 264.119(b)(1) has been recorded, including a copy of the document in which the notation has been placed, to the Director.

2.14.4.3. The Permittee shall request and obtain a permit modification prior to post-closure removal of hazardous wastes, hazardous waste residues, liners, or contaminated soils, in accordance with 40 CFR 264.119(c).

2.14.5. Certification of Completion of Post-Closure Care

The Permittee shall certify that the post-closure care period was performed in accordance with the specifications in the approved Post-Closure Plan (Permit Application Section 17), as required by 40 CFR 264.120.

2.15. FINANCIAL REQUIREMENTS FOR CLOSURE AND POST CLOSURE

The Permittee shall comply with the conditions in Permit Section 14 for financial assurance requirements and cost estimates.

2.16. LIABILITY REQUIREMENTS

The Permittee shall demonstrate continuous compliance with the requirements of 40 CFR 264.147(a) and (b), and with Permit Section 14.

2.17. INCAPACITY OF OWNERS OR OPERATORS, GUARANTORS, OR FINANCIAL INSTITUTIONS

The Permittee shall comply with 40 CFR 264.148, whenever necessary.

2.18 COMPLIANCE SCHEDULE

Task		Date Due
1	*Reserved*	

3. SUMMARY

The Permittee is allowed to store waste in containers subject to the terms and conditions of this Permit, as described in this Section. Containers of hazardous waste are managed in the permitted areas noted in Section 9 (Container Management Plan) of the Permit Application. Containerized wastes, both liquids and solids, are accepted and stored while awaiting treatment, disposal, and/or shipment off-site to other permitted facilities. No treatment of waste in containers is permitted. The storage areas and specific management requirements of each area are specified below, and in the respective sections of the Permit Application.

3.1. CONTAINER STORAGE

The container storage areas are identified in Section 9 (Container Management Plan) of the Permit Application and summarized in Table 3.3, below. The actual locations of these container storage areas can be seen on the map in Appendix 9A (CMU General Location Map) of the Permit Application. The maximum amount and type of wastes that may be handled are discussed below, in Permit Condition 3.3.

3.2. CONTAINER-SPECIFIC INFORMATION TO BE MAINTAINED AT THE FACILITY

3.2.1. The Permittee shall maintain at the facility the following container-specific documents and information, including all amendments, revisions and modifications to these documents and information. These documents shall be maintained until closure is completed for all container storage areas, and certified by a qualified Professional Engineer,

3.2.2. A description of the containment systems showing the following:

1. Basic design parameters, dimensions, and materials of construction;
2. How the design promotes drainage or how containers are kept from contact with standing liquids in the containment system;
3. Capacity of the containment system, relative to the number and volume of containers to be stored;
4. Provisions for preventing or managing run-on; and
5. How accumulated liquids can be analyzed and removed to prevent overflow.

3.2.3. For container storage areas holding wastes that do not contain free liquids, the Permittee shall maintain the following documentation onsite:

1. Test procedures and results or other documentation or information to show that the wastes do not contain free liquids;
2. A description of how the storage area is designed or operated to drain and remove liquids or how containers are kept from contact with standing liquids;
3. Sketches, drawings, or data demonstrating compliance with 40 CFR 264.176 (location of buffer zone (15m or 50ft) and containers holding ignitable or reactive wastes) and 40 CFR 264.177(c) (location of incompatible wastes in relation to each other), where applicable; and

4. Where incompatible wastes are stored or otherwise managed in containers, a description of the procedures used to ensure compliance with 40 CFR 264.177 and 264.17.

3.3. PERMITTED AND PROHIBITED WASTE IDENTIFICATION

3.3.1. The Permittee shall only accept for container storage those hazardous wastes identified in Part A of the Permit Application, and as detailed in Permit Application Section 9 (Container Management Plan). Container storage at the facility is subject to the terms and limitations of this Permit. TSCA regulated PCB wastes are also subject to the terms of the Permittee's TSCA permit from US EPA. *[See also NAC 444.9453]*

3.3.2. The Permittee is prohibited from treating waste in containers. Treatment is defined as "…any method, technique, or process, including neutralization, designed to change the physical, chemical, or biological character or composition of any hazardous waste so as to neutralize such waste, or so as to recover energy or material resources from the waste, or so as to render such waste non-hazardous, or less hazardous; safer to transport, store, or dispose of; or amenable for recovery, amenable for storage, or reduced in volume". (Note: Treatment does not include the addition of absorbent for incidental liquid spills.) *[40 CFR 260.10]*

3.3.3. The Permittee may store hazardous waste in any of the container storage areas, as listed in Table 3.3, below, and in accordance with Section 9 of the Permit Application.

Table 3.3

Container Storage Area	Container Management Unit (CMU) # and Name		Maximum Volume	Maximum Number of Containers
1	CMU 1	PCB /RCRA Storage Building	59,400 gallons (294 yd^3)	1,080 55-gallon drums
2	CMU 6	Dry Hazardous Waste Storage Area #2 (DHWSA #2)	250,696 gallons (1241 yd^3)	4,588 55-gallon drums
3	CMU 7	Bin Storage Area (Secondarily Contained)	80,778 gallons (400 yd^3)	1,469 55-gallon drums
4	CMU 16	Container & Tank Management Building (CTMB)	246,520 gallons (1220 yd^3)	4,482 55-gallon drums
5	CMU 17	Dry Hazardous Waste Storage Area #3 (DHWSA #3)	694,516 gallons (3438 yd^3)	12,627 55-gallon drums
6	CMU 19	Container Management Building (CMB)	203,700 gallons (1009 yd^3)	3,703 55-gallon drums
Total Storage Capacity			**1,535,610 gallons** (7,603 yd^3)	**27,949 55-gallon drums**

3.3.4. The Permittee may store hazardous waste for up to one (1) year in Container Storage Areas 1 through 6, as listed in Table 3.3, above.

3.3.5. Aisle space shall be maintained, as noted in the Permit Application Section 9.2.3.2 (Storage and

Labeling). Rows of containers shall be separated by a minimum aisle space of three (3) feet. Containers larger than or equal to five (5) gallons shall be stacked no more than two high unless shrink-wrapped, banded or otherwise secured on a nestable pallet. Containers less than five (5) gallons shall be stacked no more than three (3) high unless shrink-wrapped, banded or otherwise secured on a nestable pallet. Nested pallets shall be stacked no more than two (2) high.

[40 CFR 264.35]

3.3.6. The Permittee shall perform a Paint Filter Test (EPA method 9095 in SW 846) on all hazardous waste to be placed in CMU 6 & 17 (DHWSA 2 & 3) for which the absence of free liquids cannot be determined by visual inspection.

3.3.7. The Permittee shall not store or place any hazardous waste (whether accepted from offsite or generated onsite), which contains free liquids, as determined by the Paint Filter Test (EPA method 9095 in SW 846), or containers holding F020, F021, F022, F023, F026 or F027 waste (even if they do not contain free liquids) in an area that does not meet the requirements of 40 CFR 264.175(b).

3.3.8. Any container of liquid hazardous waste shall be stored completely within the secondary containment area or within the secondary containment pallet, where permitted.

[40 CFR 264.175]

3.3.9. The following wastes are prohibited from being stored or managed in CMU 6 and 17 (DHWSA 2 & 3): *[40 CFR 264.175(d)]*

1. Liquids;
2. PCBs; and
3. Waste identified/labeled with the following EPA waste codes: F020, F021, F022, F023, F026 & F027.

3.4. CONDITION OF CONTAINERS

If a container holding hazardous waste is not in good condition (e.g., severe rusting, apparent structural defects) or if it begins to leak, the Permittee shall transfer the hazardous waste from such container to a container that is in good condition or otherwise manage the waste in compliance with the conditions of this Permit. *[40 CFR 264.171]*

3.5. COMPATIBILITY OF WASTE WITH CONTAINERS

The Permittee shall use a container made of, or lined with, materials which will not react with, and are otherwise compatible with, the hazardous waste to be stored. The hazardous waste will be stored so that the ability of the container to contain the waste is not impaired, in accordance with Section 9.2.6 (Special Requirements for Incompatible Wastes) of the Permit Application.

[40 CFR 264.172]

3.6. MANAGEMENT OF CONTAINERS

3.6.1. The Permittee shall keep all containers closed during storage or staging, except when it is necessary to visually inspect, add or remove waste, and shall not open, handle, or store containers in a manner

which may rupture the container or cause it to leak. The Permittee shall follow the container management practices in Permit Application Section 9 (Container Management Plan).

[40 CFR 264.173]

3.7. INSPECTION SCHEDULES AND PROCEDURES

The Permittee shall inspect all container areas in accordance with the Inspection Schedule described in Permit Application Section 5 (Facility Inspection Plan), to detect leaking containers, improperly labeled containers, deterioration of containers and/or the containment system caused by corrosion and other factors. At a minimum, inspections shall be completed at least weekly.

[40 CFR 264.174]

3.8. CONTAINMENT SYSTEMS

The Permittee shall construct and maintain the secondary containment systems for the Container Management Areas, as required by 40 CFR 264.175 and as detailed in Permit Application Section 9.2.4.

3.9. RECORDKEEPING

3.9.1. The Permittee shall place the results of all waste analyses, trial tests and inspections in the operating record. *[40 CFR 264.73]*

3.9.2. The Permittee must document compliance with 40 CFR 264.17(a) and (b), 264.176 and 264.177 in the facility operating record, as required by Permit Condition 2.12.1. *[40 CFR 264.73]*

3.10. SPECIAL CONTAINER PROVISIONS FOR IGNITABLE OR REACTIVE WASTE

3.10.1. The Permittee shall not locate containers holding ignitable or reactive waste within 50 feet (15 meters) of the facility's property line as required by 40 CFR 264.176.

3.10.2. The Permittee shall take precautions to prevent accidental ignition or reaction of ignitable or reactive waste as required by 40 CFR 264.17 and 264.176, and follow the procedures specified in Permit Application Section 9.2.5.

3.11. SPECIAL CONTAINER PROVISIONS FOR INCOMPATIBLE WASTE

3.11.1. The Permittee shall not place incompatible wastes or incompatible wastes and materials in the same container unless 40 CFR 264.17 (b) is complied with. *[40 CFR 264.177(a)]*

3.11.2. The Permittee shall not place hazardous waste in an unwashed container that previously held an incompatible waste or material. *[40 CFR 264.177(b)]*

3.11.3. The Permittee shall completely segregate and separate stored containers of incompatible wastes or materials with a berm, fire wall or other acceptable means, and ensure separate secondary containment by following the procedures specified in Permit Application Section 9.2.6 (Special

Requirements for Incompatible Wastes). *[40 CFR 264.177(c)]*

3.12. CONTAINER LABELING REQUIREMENTS

3.12.1. The Permittee must label all containers of hazardous waste placed into storage with the date the waste is accepted by the facility and the facility tracking label, as described in Permit Application Section 9.2.3.2 (Storage and Labeling).

3.12.1.1. "Acceptance" is defined as the date the shipment arrives at the facility and the facility assumes responsibility for the waste. The Permittee shall sign the manifest immediately upon arrival unless a discrepancy is noted, as defined in Permit Condition 2.11.

3.12.2. The Permittee must clearly label all containers of hazardous waste with: the words "Hazardous Waste"; the date the waste was placed into storage; and the 40 CFR 261 EPA hazardous waste number assigned to the waste. *[40 CFR 262.30-262.32 and NAC 444.8671]*

3.12.3. All container hazardous waste labels must be legible and visible for inspection.

3.13. CLOSURE CARE

Upon closure of any of the container storage areas, the Permittee shall remove all hazardous waste and hazardous waste residues from the containment system or area, as required by 40 CFR 264.178 and in accordance with the closure procedures in the approved Closure Plan (Permit Application Section 9.2.7). *[40 CFR 264.178]*

3.14. COMPLIANCE SCHEDULE

	Task	Date Due
1	*Reserved*	

4. SUMMARY

The Permittee may store hazardous waste in tanks as described in this section. The tank storage portion of the facility includes four (4) Polychlorinated Biphenyls (PCB's) Storage Tanks, all located adjacent to the east side of CMU 1 (PCB/RCRA Storage Building) and two (2) Rinse Water Storage Tanks located outside of the Main and Satellite Laboratories. The four PCB tanks are used exclusively for storage of TSCA regulated PCB waste. The rinse water tanks are used for storing rinse water from the laboratories. The maximum amount and type of wastes that may be managed in each tank are discussed in Permit Condition 4.1. Each PCB tank has a high-level alarm and each Rinse Water Storage Tank has[i] a digital liquid level monitor display in the respective laboratory and is within a secondary containment area. Details of the PCB Storage Tanks are provided in Appendices 10F through 10I of the Permit Application and details of the laboratory rinse water storage tanks are provided in Section 9.3.0 and Appendix 9I of the Permit Application. The PCB tank layout can be seen in Appendix 9B of the Permit Application. No waste with a concentration greater than 500 ppm volatile organic compounds (VOCs) may be stored in tanks at this facility.

[NOTE: Four (4) Stabilization Tanks (treatment pans) and one (1) Evaporation Tank (truck wash pad) designated as "treatment" tanks are discussed in Permit Section 5.]

4.1. PERMITTED AND PROHIBITED WASTE IDENTIFICATION

4.1.1. The Permittee may store in Tanks T-4 through T-7 only TSCA regulated PCB wastes subject to the terms of the Permittee's TSCA Approval from the US EPA. Since the PCB waste is also a hazardous waste in Nevada, pursuant to NAC 444.843 (and NAC 444.9453), Tanks T-4 through T-7 are also subject to RCRA regulation under 40 CFR Part 261. The Permittee may store in Tanks T-20 and T-21 only rinse water from the Main and Satellite Laboratories, respectively.

4.1.2. The Permittee is prohibited from storing in Tanks any hazardous waste not identified in Permit Condition 4.1.1.

4.1.3. The Permittee may store a total volume of 25,850 gallons of hazardous waste in the tanks listed below, as identified in Table 1 of Section 10 of the Permit Application, subject to the terms of this Permit, and as follows:

Table 4.1 – Storage Tanks

Tank ID Number	Waste Type	Secondary Containment Required	Permitted Volume [Gallons]
T-4	PCB Liquid	Yes	7,500
T-5	PCB Liquid	Yes	5,000
T-6	PCB Liquid	Yes	5,000

[i] Tank T-20 has the digital liquid level display in the Main Laboratory and Tank T-21 has a similar display in the Satellite Laboratory.

Tank ID Number	Waste Type	Secondary Containment Required	Permitted Volume [Gallons]
T-7	PCB Liquid	Yes	7,500
T-20[ii]	*Main Lab Rinse Water*	Yes	425
T-21[iii]	*Satellite Lab Rinse Water*	Yes	425
Total Volume =		**25,850**	

4.1.4. The Permittee may store hazardous waste for up to one (1) year in any of the storage tanks listed in Table 4.1. *[40 CFR 268.50]*

4.2. SECONDARY CONTAINMENT AND INTEGRITY ASSESSMENTS

4.2.1. The Permittee shall ensure that all ancillary equipment is supported and protected against physical damage and excessive stress due to settlement, vibration, expansion or contraction. *[40 CFR 264.192(e)]*

4.2.2. The Permittee shall design, construct, and operate the secondary containment system(s), in accordance with the detailed design plans and descriptions contained in Permit Application Section 10 (Tank Systems Report). *[40 CFR 264.193(a)-(f)]*

4.2.3. The Permittee shall submit the integrity assessments required under 40 CFR 264.192 to the Director prior to operation of any new tank system.

4.3. OPERATING REQUIREMENTS

4.3.1. The Permittee shall not place hazardous wastes or treatment reagents in the tank system if they could cause the tank, its ancillary equipment, or a containment system to rupture, leak, corrode, or otherwise fail. *[40 CFR 264.194(a)]*

4.3.2. The Permittee shall prevent spills and overflows from the tank or containment systems using the methods described in Permit Application Section 10 (Tank Systems Report). *[40 CFR 264.194(b)]*

4.3.3. The Permittee shall comply with Permit Application Sections 9.3.0 (Special Requirements for Laboratory Rinse Water Storage Tanks), 10.2.0 (PCB Storage) and 10.6.0 (Subpart AA, BB, and CC Standards) through 10.11.0 (One Year Storage).

[ii] Tank T-20 is a tank outside of the Main Laboratory.
[iii] Tank T-21 is a tank located outside of the Satellite Laboratory.

4.4. RESPONSE TO LEAKS OR SPILLS

4.4.1 In the event of a leak or a spill from the tank system or a secondary containment system, or if any portion of the system becomes unfit for continued use, the Permittee shall comply with Permit Application Section 10.8 (Response to Leaks or Spills and Disposition of Unfit Tanks), remove the system from service immediately, and complete the following actions:

[40 CFR 264.196]

1. Immediately stop the flow of hazardous waste into the tank or secondary containment system and inspect the system to determine the cause of the release. *[40 CFR 264.196(a)]*
2. If the release is from the tank system, the Permittee must, within 24 hours after detection of the leak, remove as much of the waste as is necessary to prevent further release of hazardous waste to the environment and to allow inspection and repair of the tank system to be performed. If the Permittee finds that it is not possible to meet this time period, then the Permittee shall notify the Director and demonstrate that a longer period is required. *[40 CFR 264.196(b)]*

   If the release is to a secondary containment system, all released materials must be removed within 24 hours or in as timely a manner as is possible to prevent harm to human health and the environment.
3. Immediately contain visible releases to the environment, conduct a visual inspection of the release, and, based on that inspection, the Permittee shall: *[40 CFR 264.196(c)]*

   (a) Prevent further migration of the leak or spill to soils or surface water; and

   (b) Remove and properly dispose of any visible contamination of the soil or surface water.
4. If the collected material is a RCRA hazardous waste, the waste shall be managed in accordance with all applicable requirements of 40 CFR Parts 262-264.
5. Unless the Permittee satisfies the requirements of Permit Conditions 4.4.1.5(a) and 4.4.1.5(b), below, the tank system must be closed in accordance with Permit Condition 4.9. *[40 CFR 264.196(e)(1)]*

   (a) For a release caused by a spill that has not damaged the integrity of the system, the Permittee may return the system to service as soon as the released waste is removed and repairs, if necessary, are made. *[40 CFR 264.196(e)(2)]*

   (b) For a release caused by a leak from the primary tank system into the secondary containment system, the Permittee shall repair the system prior to returning the tank system to service. *[40 CFR 264.196(e)(3)]*

   (1) If a component of the tank system is replaced to eliminate the leak, the new component must satisfy the requirements for new tank systems or components in 40 CFR 264.192 and 264.193.

4.4.2. For all major repairs of a tank system, the Permittee must obtain a certification by a qualified Professional Engineer that the repaired system is capable of handling hazardous wastes without release for the intended life of the system. This must be obtained before the system is returned to service. Examples of major repairs are: installation of an internal liner, repair of a ruptured tank,

or repair or replacement of a secondary containment system. This certification must be placed in the operating records, maintained until closure of the facility, and a copy submitted to the Director. *[40 CFR 264.196(f)]*

4.5. INSPECTION SCHEDULES AND PROCEDURES

4.5.1. The Permittee shall inspect the tank systems, in accordance with Sections 5.2.2 (Tank System Inspections) and 10.9.0 (Inspection Tanks and Compliance with 40 CFR 264.195) of the Permit Application, shall complete the forms in Appendix 5A of the Permit Application, and complete the items in Permit Conditions 4.5.2 and 4.5.3 as part of those inspections.

4.5.2. The Permittee shall inspect the overfill controls in accordance with the schedule in Table 1 of Permit Application Section 5. *[40 CFR 264.195(a)]*

4.5.3. The Permittee shall inspect the following components of the tank system at least once each operating day: *[40 CFR 264.195(b), (c) and (f)]*

1. Data gathered from monitoring and leak detection equipment (e.g., pressure or temperature gauges) to ensure that the tank system is being operated according to its design;
2. Aboveground portions of the tank system, if any, to detect corrosion or releases of waste;
3. Construction materials and the area immediately surrounding the externally accessible portion of the tank system, including the secondary containment system, to detect erosion or signs of releases of hazardous waste (e.g., wet spots, dead vegetation); and
4. Ancillary equipment that is not provided with secondary containment, as described in 40 CFR 264.193(f)(1) through (4) to detect corrosion or releases of waste.

4.5.4. The Permittee shall inspect cathodic protection systems in accordance with the following schedule*:* *[40 CFR 264.195(g)]*

1. The proper operation of the cathodic protection system must be confirmed within six months from initial installation and annually thereafter; and
2. All sources of impressed current must be inspected and tested every other month.

4.5.5. The Permittee shall document compliance with Permit Conditions 4.5.1 through 4.5.4 and place this documentation in the operating record for the facility. *[40 CFR 264.195(h)]*

4.6. RECORDKEEPING AND REPORTING

4.6.1. The Permittee shall report to the Director, within 24 hours of detection, when a leak or spill occurs from the tank system or secondary containment system to the environment. (A leak or spill of one pound or less of hazardous waste, that is immediately contained and cleaned-up, need not be reported.) If the Permittee has reported the release pursuant to 40 CFR 302, that report satisfies the requirements of this Permit Condition. *[40 CFR 264.196(d)(1) and (2)]*

4.6.2. Within 30 days of detecting a release to the environment from the tank system or secondary

containment system, the Permittee shall report the following information to the Director:
[40 CFR 264.196(d)(3)]

1. Likely route of migration of the release;
2. Characteristics of the surrounding soil (including soil composition, geology, hydrogeology, and climate);
3. Results of any monitoring or sampling conducted in connection with the release. If the Permittee finds it will be impossible to meet this time period, the Permittee should provide the Director with a schedule of when the results will be available. This schedule must be provided before the required 30-day submittal period expires;
4. Proximity of down-gradient drinking water, surface water, and populated areas; and
5. Description of response actions taken or planned.

4.6.3. The Permittee shall submit to the Director all certifications of major repairs to correct leaks within seven days from returning the tank system to use. *[40 CFR 264.196(f)]*

4.6.4. The Permittee shall maintain at the facility a record of the results of leak tests and integrity tests conducted in accordance with 40 CFR 264.192 (a) and (d).

4.6.5. The Permittee shall obtain and keep on file at the facility the written statements by those persons (e.g. qualified Professional Engineer) required to certify the design and installation of the tank system. *[40 CFR 264.192(g)]*

4.7. SPECIAL TANK PROVISIONS FOR IGNITABLE OR REACTIVE WASTES

4.7.1. The Permittee shall not place ignitable or reactive waste in the tank system or in the secondary containment system, unless the procedures specified in Permit Application Section 10.7.2 (Precautions for Management of Ignitable or Reactive Wastes) are followed.
[40 CFR 264.198(a)]

4.7.2. The Permittee shall comply with the requirements for the maintenance of protective distances between the waste management area and any public ways, streets, alleys, or an adjoining property line that can be built upon, as required in Tables 2-1 through 2-6 of the National Fire Protection Association's "Flammable and Combustible Liquids Code" (1977 or 1981).
[40 CFR 264.198(b)]

4.8. SPECIAL TANK PROVISIONS FOR INCOMPATIBLE WASTES

4.8.1. The Permittee shall not place incompatible wastes, or incompatible wastes and materials, in the same tank system or the same secondary containment system, unless the procedures specified in Permit Application Section 10.7.1 (Precautions for the Management of Incompatible Materials) are followed and 40 CFR 264.17(b) is complied with. *[40 CFR 264.199(a)]*

4.8.2. The Permittee shall not place hazardous waste in a tank system that has not been decontaminated and that previously held an incompatible waste or material. *[40 CFR 264.199(b)]*

4.9. CLOSURE AND POST-CLOSURE CARE

4.9.1. At closure of the tank system(s), the Permittee shall follow the procedures in the Scheduled Closure Plan, Permit Application Section 15, for the tanks identified in Table 4-1, above.

[40 CFR 264.197(a)]

4.9.2. If the Permittee demonstrates that not all contaminated portions of the tank system, residuals, soil and/or groundwater can be practicably removed or decontaminated in accordance with the Scheduled Closure Plan, then the Permittee shall close the tank system and perform post-closure care in accordance with 40 CFR 264.197(b).

4.10. COMPLIANCE SCHEDULE

Task		Date Due
1	*Reserved*	

5. SUMMARY

The amount and type of wastes that may be treated in tanks are discussed in this permit section. The containment systems employed for the treatment tanks are discussed in detail in Permit Application Section 10. Treatment consists of stabilization and evaporation. There are four (4) Stabilization Tanks (treatment pans) for the treatment of liquid and metal bearing wastes (See Table 5.1); Tanks T-2 and T-3 are outdoor units and Tanks T-18 and T-19 are indoor units. Former Tank T-1 was removed and clean-closed in February 2017. A fifth tank (T-11) is used for decontaminating equipment (trucks, etc.) and allowing the wash-water to evaporate; Tank T-11 is an outdoor unit. The maximum amount and type of wastes that may be treated are discussed in Permit Condition 5.1. The tank layout can be seen in Appendix 10L (Tank Systems Location Diagram) of the Permit Application. No waste with a concentration greater than 500 ppm volatile organic compounds (VOCs) may be treated in tanks at this facility. Tank 11 is assumed to contain less than 500 ppm of VOCs; however, the Permittee is required to test the solid and liquid phases in Tank 11 for VOCs, as specified in this permit section.

5.1. PERMITTED AND PROHIBITED WASTE IDENTIFICATION

5.1.1. The Permittee may treat in tanks any hazardous waste identified in Part A of the Permit Application in the stabilization tanks listed in Table 5.1 within the parameters outlined in Permit Application Section 10 (Tank Systems Report).

5.1.2. The Permittee is prohibited from treating in tanks any hazardous waste not identified in Permit Condition 5.1.1 and the following:

1. Any hazardous waste with codes not listed in Part A of the Permit Application.
2. Hazardous Waste containing 500 ppmw or more of VOCs at the point of waste origination.

[Permit Application Section 3.5.6.2, 40 CFR 264.1082(c)(1)]

5.1.3. The Permittee may treat a total volume of 651,000 gallons of hazardous waste per day in five (5) tanks, subject to the terms of this Permit, as identified in Table 1 of Section 10 of the Permit Application, and as follows:

Table 5.1 – Treatment Tanks

Tank ID Number	Description	Secondary Containment Required	Capacity [Gallons]	Permitted Throughput [Gallons/Day]
T-2	Stabilization Tank (Pan 2)	Yes	35,500	252,000
T-3	Stabilization Tank (Pan 3)	Yes	35,500	252,000
T-18	Stabilization Tank (Pan 4)	Yes	17,250	68,500
T-19	Stabilization Tank (Pan 5)	Yes	17,250	68,500
T-11	Evaporation Tank (Truck Wash Pad)	Yes	10,000	10,000
		Total =	**115,500**	**651,000**

5.2. SECONDARY CONTAINMENT AND INTEGRITY ASSESSMENT

5.2.1. The Permittee shall ensure that the batch stabilization tanks (T-2 and T-3) are provided with a backfill material that is non-corrosive, porous, homogeneous (e.g. sand), and that is installed so that the backfill is completely around the tank and compacted to ensure that the tank and piping, if any, are fully and uniformly supported. *[40 CFR 264.192 (c)]*

5.2.2. The Permittee shall ensure that all ancillary equipment is supported and protected against physical damage and excessive stress due to settlement, vibration, expansion, or contraction. *[40 CFR 264.192 (e)]*

5.2.3. The Permittee shall operate the secondary containment system(s), in accordance with the detailed descriptions contained in the Permit Application Section 10 (Tank Systems Report). *[40 CFR 264.193(a)-(f)]*

5.2.4. The Permittee shall submit the integrity assessments required under 40 CFR 264.192 to the Director prior to operation of any new tank system and whenever the tanks are re-evaluated.

5.3. OPERATING REQUIREMENTS

5.3.1. The Permittee shall not place hazardous wastes or treatment reagents in the tank or tank system if they could cause the tank, its ancillary equipment, or a containment system to rupture, leak, corrode, or otherwise fail. *[40 CFR 264.194(a)]*

5.3.2. The Permittee shall prevent spills and overflows from the tank or containment systems using the methods described in Permit Application Section 10. *[40 CFR 264.194(b)]*

5.3.3. The Permittee shall comply with Permit Application Sections 10.1 (Stabilization Tanks), 10.3 (Evaporation Tank) and 10.6 (Subpart AA, BB and CC Standards) through 10.10 (Closure of Tanks).

5.4. RESPONSE TO LEAKS OR SPILLS

5.4.1. In the event of a leak or a spill from the tank system, from a secondary containment system, or if any portion of the system becomes unfit for continued use, the Permittee shall comply with Permit Application Section 10.8 (Response to Leaks or Spills and Disposition of Unfit Tanks), remove the system from service immediately, and complete the following actions: *[40 CFR 264.196]*

1. Immediately stop the flow of hazardous waste into the tank or secondary containment system and inspect the system to determine the cause of the release. *[40 CFR 264.196(a)]*
2. If the release is from the tank system, the Permittee must, within 24 hours after detection of the leak, remove as much of the waste as is necessary to prevent further release of hazardous waste to the environment and to allow inspection and repair of the tank system to be performed. If the Permittee finds that it will not be possible to meet this time period, the Permittee shall notify the Director and demonstrate that a longer period is required.

If the release is to a secondary containment system, all released materials must be removed within 24 hours or in as timely a manner as is possible to prevent harm to human health and the environment.

3. Immediately conduct a visual inspection of the release and, based on that inspection, the Permittee shall:
   (a) Prevent further migration of the leak or spill to soils or surface water; and
   (b) Remove and properly dispose of any visible contamination of the soil or surface water.
4. As the collected material is a RCRA hazardous waste, the waste shall be managed in accordance with all applicable requirements of 40 CFR Parts 262-264.
5. Unless the Permittee satisfies the requirements of Permit Conditions 5.4.1.5(a) and 5.4.1.5(b), below, the tank system must be closed in accordance with Permit Condition 5.9. *[40 CFR 264.196(e)(1)]*

   (a) For a release caused by a spill that has not damaged the integrity of the system, the Permittee may return the system to service as soon as the released waste is removed and repairs, if necessary, are made. *[40 CFR 264.196(e)(2)]*

   (b) For a release caused by a leak from the primary tank system into the secondary containment system, the Permittee shall repair the system prior to returning the tank system to service. *[40 CFR 264.196(e)(3)]*

      (1) If a component of the tank system is replaced to eliminate the leak, the new component must satisfy the requirements for new tank systems or components in 40 CFR 264.192 and 264.193.

5.4.2. For all major repairs of a tank system, the Permittee must obtain a certification by a qualified Professional Engineer that the repaired system is capable of handling hazardous wastes without release for the intended life of the system. This must be obtained before the system is returned to service. Examples of major repairs are: installation of an internal liner, repair of a ruptured tank, or repair or replacement of a secondary containment system. The certification must be placed in the operating records, maintained until closure of the facility; and a copy submitted to the Director. *[40 CFR 264.196(f)]*

5.5. INSPECTION SCHEDULES AND PROCEDURES

5.5.1. The Permittee shall inspect the tank systems, in accordance with Sections 5.2.2 (Tank System Inspections) and 10.9 (Inspection of Tanks and Compliance with 40 CFR 264.195) of the Permit Application, shall complete the forms in Appendix 5A of the Permit Application, and complete the items in Permit Conditions 5.5.2 and 5.5.3 as part of those inspections.

5.5.2. The Permittee shall inspect the overfill controls in accordance with the schedule in Table 1 of Permit Application Section 5. *[40 CFR 264.195(a)]*

5.5.3. The Permittee shall inspect the following components of the tank system at least once each operating day: *[40 CFR 264.195(b), (c) and (f)]*

1. Data gathered from monitoring and leak detection equipment (e.g., pressure or temperature gauges) to ensure that the tank system is being operated according to its design;
2. Aboveground portions of the tank system, if any, to detect corrosion or releases of waste;
3. Construction materials and the area immediately surrounding the externally accessible portion of the tank system, including the secondary containment system, to detect erosion or signs of releases of hazardous waste (e.g., wet spots, dead vegetation); and
4. Ancillary equipment that is not provided with secondary containment, as described in 40 CFR 264.193(f)(1) through (4).

5.5.4. The Permittee shall inspect cathodic protection systems in accordance with the following schedule*:* *[40 CFR 264.195(g)]*

1. The proper operation of the cathodic protection system must be confirmed within six (6) months from initial installation and annually thereafter; and
2. All sources of impressed current must be inspected and tested every other month.

5.5.5. The Permittee shall document compliance with Permit Conditions 5.5.1 through 5.5.4 and place this documentation in the operating record for the facility. *[40 CFR 264.195(h)]*

5.5.6. For tanks subject to 40 CFR 264 Subpart CC, the Permittee shall comply with the inspection requirements in Permit Section 9.

5.6. RECORDKEEPING AND REPORTING

5.6.1. The Permittee shall report to the Director, within 24 hours of detection, when a leak or spill occurs from the tank system or secondary containment system to the environment. (A leak or spill of one pound or less of hazardous waste, that is immediately contained and cleaned-up, need not be reported.) If the Permittee has reported the release pursuant to 40 CFR Part 302, that report satisfies the requirements of this Permit Condition. *[40 CFR 264.196(d)(1) and (2)]*

5.6.2. Within 30 days of detecting a release to the environment from the tank system or secondary containment system, the Permittee shall report the following information to the Director: *[40 CFR 264.196(d)(3)]*

1. Likely route of migration of the release;
2. Characteristics of the surrounding soil (including soil composition, geology, hydrogeology, and climate);
3. Results of any monitoring or sampling conducted in connection with the release. If the Permittee finds it will be impossible to meet this time period, the Permittee should provide the Director with a schedule of when the results will be available. This schedule must be provided before the required 30-day submittal period expires;
4. Proximity of downgradient drinking water, surface water, and populated areas; and
5. Description of response actions taken or planned.

5.6.3. The Permittee shall submit to the Director all certifications of major repairs to correct leaks within seven (7) days from returning the tank system to use. *[40 CFR 264.196(f)]*

5.6.4. The Permittee shall maintain at the facility a record of the results of leak tests and integrity tests conducted in accordance with 40 CFR 264.192 (a) and (d).

5.6.5. The Permittee shall obtain and keep on file at the facility the written statements by those persons (e.g. qualified Professional Engineer) required to certify the design and installation of the tank system. *[40 CFR 264.192(g)]*

5.6.6. The Permittee shall, on an annual basis, sample the Evaporation Pad liquid and solid phases in the tank and test for Volatile Organic Compounds (VOCs), RCRA TC metals, total cyanide, and conductivity. The test results shall be submitted to the Director with the annual facility report due March 1 (see Permit Condition 2.12.4).

5.6.7. For tanks subject to 40 CFR 264 Subpart CC, the Permittee shall comply with the recordkeeping requirements in Permit Section 9.

5.7. SPECIAL TANK PROVISIONS FOR IGNITABLE OR REACTIVE WASTES

5.7.1. The Permittee shall not place ignitable or reactive waste in the tank system or in the secondary containment system, unless the procedures specified in Permit Application Section 10.7.2 (Precautions for Management of Ignitable or Reactive Wastes) are followed.
[40 CFR 264.198(a)]

5.7.2. The Permittee shall comply with the requirements for the maintenance of protective distances between the waste management area and any public ways, streets, alleys, or an adjoining property line that can be built upon, as required in Tables 2-1 through 2-6 of the National Fire Protection Association's "Flammable and Combustible Liquids Code" (1977 or 1981).
[40 CFR 264.198(b)]

5.8. SPECIAL TANK PROVISIONS FOR INCOMPATIBLE WASTES

The Permittee shall not place incompatible wastes, or incompatible wastes and materials, in the same tank system or the same secondary containment system, unless the procedures specified in Permit Application Section 10.7.1 (Precautions for the Management of Incompatible Materials) are followed and 40 CFR 264.17(b) is complied with. *[40 CFR 264.199(a)]*

5.8.1. The Permittee shall not place hazardous waste in a tank system that has not been decontaminated and that previously held an incompatible waste or material. *[40 CFR 264.199(b)]*

5.9. CLOSURE CARE

5.9.1. At closure of the tank system(s) the Permittee shall follow the procedures in the Closure Plan, Permit Application 10.10 (Closure of Tanks), for the tanks identified in Table 5.1, above.
[40 CFR 264.197(a)]

5.9.2. If the Permittee demonstrates that not all contaminated portions of the tanks system(s), residuals, soil and/or groundwater can be practicably removed or decontaminated in accordance with the Closure Plan, then the Permittee shall close the tank system(s) and perform post-closure care in accordance with the 40 CFR 264.197 (b).

5.9. COMPLIANCE SCHEDULE

	Task	*Date Due*
1	*Reserved*	

NOTE: In a previous Permit (NEVHW0019), this section was assigned to the Low Temperature Thermal Desorption (LTTD) unit. This unit was closed and removed per the approved Closure Plan with the Certification of Closure accepted by the NDEP on May 16, 2012.

This section is reserved for any future Subpart X Units.

Reserved for Future Use

7. SUMMARY

The Permittee is currently conducting landfill operations in Trench 12 and Phase A of Trench 13. Trench 11 has been closed and is in post-closure care. The addition of Trench 13 was approved in 2016 and began waste disposal operations in 2017.

Trench 11 was constructed with a double composite liner consisting of a primary 100-mil HDPE liner and a secondary 40-mil HDPE liner and a 6" compacted clay liner amended with bentonite. The design was approved as meeting the Minimum Technology Requirements (MTR) in the June 6, 1988 permit. The below grade capacity of Trench 11 was 847 acre-feet (1.36 million cubic yards) and the area of the footprint is 12.3 acres. The above-grade capacity of Trench 11 was 1,000,000 cubic yards. Trench 11 was closed and the alternative final cover placed in July 2013.

Trench 12 is comprised of three phases. Phase 1 was constructed in 2008, Phase 2 was constructed in 2011, and Phase 3 was constructed in 2013 and is actively receiving waste above-grade. Trench 12 is constructed with a double composite liner consisting of a primary 80-mil HDPE liner and a secondary 60-mil HDPE liner and a geosynthetic clay liner (GCL), exceeding the MTR. Trench 12 currently accepts TSCA-regulated PCB wastes, RCRA and state-designated hazardous wastes, as well as certain non-hazardous wastes. The base footprint of Trench 12 is 11 acres and the total landfill capacity is 1,029 acre-feet (1.66 million cubic yards) of waste and final cover material. The activity of Trench 12 is included in this Permit.

Trench 13 will be constructed in five phases, with a base total footprint of 47.3 acres and a waste capacity of approximately 5,331 acre-feet (8.6 million cubic yards). Phase A was constructed in 2017 and currently accepts TSCA-regulated PCB wastes, RCRA and state-designated hazardous wastes, as well as certain non-hazardous wastes.

7.1. PERMITTED AND PROHIBITED WASTE IDENTIFICATION

The Permittee may dispose of the following hazardous wastes in Trench 12 and Trench 13, subject to the terms of this Permit:

7.1.1. The Permittee may dispose of hazardous wastes as identified in the Part A Permit application, and other hazardous wastes as identified in NAC 444.843, including wastes containing polychlorinated biphenyls (PCBs), subject to the terms and limitations of this Permit.

7.1.2. The Permittee is prohibited from disposing of any hazardous waste that is not included in Permit Condition 7.1.1 or not meeting the treatment standards of 40 CFR 268.

7.2. DESIGN AND OPERATING REQUIREMENTS

7.2.1. The Permittee shall design, maintain and operate landfill Trench 12 pursuant to Geotechnical Investigation for Cell 12, Grant Environmental; 7/94[i]; Cell 12 Design Report, TRC Environmental Solutions, 3/96[ii]; Response to NOD for Cell 12 Design Report, HMA, December 1996; and Response to Verbal Comments, HMA, January 17 and 30, 1997; and landfill Trench 13 pursuant

[i] Copy provided in Appendix 5 of Landfill Engineering Report – Trench 13 [Section 19 of Part B Permit Application].
[ii] Copy provided in Appendix 9 of Landfill Engineering Report – Trench 13 [Section 19 of Part B Permit Application].

to Volumes 1 and 2, Landfill Engineering Report Trench 13, AquAeTer, March 2016[iii]. All the above documents are part of Attachment 2 to this Permit.

7.2.2. The Permittee shall install and maintain at least two liners and a leachate collection and removal system and leak detection system (one above and one between the liners) in accordance with the design plans and reports in Permit Application Section 11 (Trench 11 already constructed and closed, Trench 12 already constructed and near capacity, and Trench 13 under construction), the Supplement-Landfill Report for Trench 12, October 2007 (standalone document referenced in Attachment 2[iv] to this Permit) and Landfill Engineering Report – Trench 13, AquAeTer, March 2016 (standalone document referenced in Attachment 2[v] to this Permit). *[40 CFR 264.301(c)]*

7.2.3. The Permittee submitted a final cap design (approved by the Director by Revision 3 to Permit NEVHW0019) for Trenches 11 and 12, as described in the "Design Basis and Construction Specifications for Trenches 11 and 12 Final Covers—Supplement to Trench 12 Construction Quality Assurance Plan, April 2008" (standalone document) referenced in Section 11 of Volume 2 of the Part B permit application. The alternative cover design (*aka* evapotranspiration or ET cover) has been designed to resist the maximum horizontal acceleration in lithified earth material for the site. Maximum horizontal acceleration is defined as the maximum expected horizontal acceleration depicted on a seismic hazard map with a 90 percent or greater probability that the acceleration will not be exceeded in 250 years. The Permittee shall close Trench 12 in conformance with the above referenced plan.

7.2.4. Collected leachate must be managed in accordance with the procedures for all other waste streams, as outlined in the Waste Analysis Plan (Permit Application Section 8). Collected leachate may be used for dust suppression within the same cell from which it was generated, provided the collected leachate never leaves the landfill (see EPA memo dated May 23, 1996 in Appendix 11-E of the Permit Application).

7.2.5. The Permittee shall locate, construct, operate, and maintain landfills Trench 11, Trench 12 and Trench 13 as specified in permit Application Section 11 so as to prevent the migration of any hazardous constituents into the groundwater or surface water, at least as effectively as the liners and leachate collection and removal systems outlined in 40 CFR 264.301(c).
[40 CFR 264.301(d)]

7.2.6. The Permittee shall design, construct, operate, and maintain a run-on and run-off control system in accordance with the design plans, specifications, and operating practices contained in Permit Application Section 11. *[40 CFR 264.301(g) and (h)]*

7.2.7. The Permittee shall empty or otherwise manage run-on and run-off collection and holding facilities to maintain the design capacity of the system(s) within 72 hours of a 25-year 24-hour storm event and in accordance with any other required permits (i.e. NPDES). *[40 CFR 264.301(i)]*

7.2.8. The Permittee shall cover or otherwise manage the landfill(s) to control wind dispersal of

[iii] Section 19 of Part B Permit Application.
[iv] Appendix 9 of Section 19 (Landfill Engineering Report – Trench 13)
[v] Sections 6 and 7 in Volume 1 of Section 19 (Landfill Engineering Report – Trench 13)

particulate matter, in accordance with the methods specified in Permit Application Section 11.3.11 (Wind Dispersal Control). *[40 CFR 264.301(j)]*

7.2.9. The Permittee shall sample and analyze each quarter, leachate from each Leachate Collection and Removal System (LCRS) and the Leak Detection System (LDS) for the parameters found in Table 10.3D in Permit Section 10. The results of these analyses shall be submitted with the bi-annual report required under Permit Condition 10.8.2.

7.2.10. Gravel to be used in the leachate sumps for landfill Trench 13 shall meet the requirements of 40 CFR 264.301(c)(3)(ii).

7.2.11. Prior to accepting waste in each newly constructed cell of landfill Trench 13, the Permittee must receive approval from the Director.

7.3. ACTION LEAKAGE RATE / RESPONSE ACTION PLAN (RAP)

The Permittee shall operate landfills Trench 11, Trench 12 and Trench 13 in accordance with the respective Response Action Plans (RAP) in Appendix 11-B of Permit Application Section 11 for Trench 11; Appendix 11-C of Permit Application Section 11 for Trench 12; and Appendix 11-D of Permit Application Section 11 for Trench 13.

7.3.1. The Action Leakage Rate (ALR) for landfill Trench 11 is set at 211 gallons/acre-day; the ALR for landfill Trench 12A, 12B and 12C are 204, 147 and 279 gallons/acre-day, respectively for each leak detection sump; and the ALR for landfill Trench 13 is 150 gallons/acre-day for each leak detection sump.

7.3.2. The Permittee shall calculate the gallons/acre-day (GPAD) leachate generation rate for each sump and submit the information along with the liquid level monitoring data and any leachate chemical analysis with the bi-annual report required by Permit Condition 10.8.2.

7.3.3. The Permittee shall operate the leachate collection and detection systems without the head on any liner exceeding one (1) foot (30 cm).

7.3.4. The Permittee shall monitor each sump as required in the RAPs listed in Permit Condition 7.3, above.

7.3.5. The Permittee shall remove all pumpable fluids from each sump whenever the pump operating level, as defined in the RAP for that trench, is reached.

7.3.6. The Permittee shall notify the Director within seven (7) days of either an exceedance of the Action Leakage Rate (ALR) or the fluid head on either liner exceeding one foot. The notification must be followed by the submittal to the Director of a preliminary written assessment within fourteen (14) days of the exceedance. Within thirty (30) days of the initial notification, the Permittee shall submit an analysis of the liquid found in the sump with a summary of the other information required by the RAP for that trench.

7.4. INSPECTION SCHEDULES AND PROCEDURES

The Permittee shall inspect the landfill in accordance with the following conditions:

7.4.1. The Permittee shall inspect the liners and cover systems during construction and installation for uniformity, damage, and imperfections (e.g., holes, cracks, thin spots, or foreign materials). *[40 CFR 264.303(a)]*

7.4.2. The Permittee shall inspect the following immediately after construction or installation of a landfill:

1. Synthetic liners and covers must be inspected to ensure tight seams and joints and the absence of tears, punctures, or blisters; and *[40 CFR 264.303(a)(1)]*
2. Soil-based and admixed liners and covers must be inspected for imperfections including lenses, cracks, channels, root holes, or other structural non-uniformities that may cause an increase in the permeability of the liner or cover. *[40 CFR 264.303(a)(2)]*

7.4.3. The Permittee shall inspect the landfill (including the liner and leachate collection system) in accordance with the inspection schedule in Permit Application Section 5 and the following: *[40 CFR 264.303(b)]*

7.4.3.1. The landfill must be inspected weekly and within 24 hours after a storm event of one quarter inch (0.25") or greater to detect evidence of any of the following:

1. Deterioration, malfunctions, or improper operation of run-on and run-off systems;
2. Proper functioning of wind dispersal control systems; and
3. The presence of leachate in, and proper functioning of, leachate collection and removal systems.

7.5. CELL LOCATION SURVEYING

The Permittee shall maintain the following items in the operating record in accordance with Permit Application Section 11.3.10: *[40 CFR 264.73 and 40 CFR 264.309]*

1. A map with the exact location and dimensions (including depth) of each landfill cell with respect to permanently surveyed benchmarks; and
2. The types of waste in each cell and the approximate location of each hazardous waste type within each cell.

7.6. CLOSURE AND POST-CLOSURE CARE

The Permittee shall conduct closure and post-closure activities in accordance with the following conditions:

7.6.1. At final closure of the landfill, or upon closure of any cell, the Permittee shall follow the procedures in the approved Closure Plan contained in Permit Application Section 15 for Scheduled Closure and Permit Application Section 16 for Unscheduled Closure. *[40 CFR 264.310(a)]*

7.6.2. After final closure, the Permittee shall follow the plans and procedures in the approved Post-

Closure Care Plan in Permit Application Section 17 (Post-Closure Care Plan) and Permit Section 13 (Post-Closure Conditions). *[40 CFR 264.310(b)]*

7.7. SPECIAL LANDFILL PROVISIONS FOR IGNITABLE OR REACTIVE WASTES

The Permittee shall not place ignitable or reactive waste (including ignitable waste in containers) in a landfill unless it is done in accordance with 40 CFR 264.312(b) and the procedures in Permit Application Section 11.3.6 (Special Requirements for Ignitable or Reactive Wastes) are followed.

7.8. SPECIAL LANDFILL PROVISIONS FOR INCOMPATIBLE WASTES

The Permittee shall not place incompatible wastes, or incompatible wastes and materials, in the same landfill cell unless it is done in accordance within 40 CFR 264.17(b) and the procedures specified in Permit Application Section 11.3.6 (Special Requirements for Ignitable or Reactive Wastes) are followed. *[40 CFR 264.313]*

7.9. SPECIAL LANDFILL PROVISIONS FOR BULK AND CONTAINERIZED LIQUIDS

7.9.1. The Permittee shall not place bulk or non-containerized liquid wastes, or waste containing free liquids (whether or not sorbents have been added) in a landfill. Use of leachate as dust suppression within the same cell from which it was collected, in accordance with Permit Application Section 11.3.11, is not considered placement under this section. *[40 CFR 264.314(a)]*

7.9.2. If undetermined by visual inspection, the Permittee shall demonstrate the absence of free liquids in either a containerized or a bulk waste by using the following test: "Method 9095 (Paint Filter Liquids Test)" as described in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods" (EPA Publication No. SW-846). *[40 CFR 264.314(b)]*

7.9.3. The Permittee shall not place containers holding free liquid in a landfill unless:

1. All free-standing liquid:
   (i) Has been removed by decanting, or other methods;
   (ii) Has been mixed with sorbent or solidified so that free-standing liquid is no longer observed; or
   (iii)Has been otherwise eliminated; or
2. The container is no larger than one ampule; or
3. The container is designed to hold free liquids for use other than storage (e.g., batteries, capacitors); or
4. The container is a lab pack as defined in 40 CFR 264.316, and is disposed of in accordance with Permit Condition 7.11.

7.9.4. The Permittee shall follow the procedures in Permit Application Section 11.3.3 to prevent the disposal of liquids in the landfill.

7.10. SPECIAL REDUCTION REQUIREMENTS FOR EMPTY CONTAINERS

The Permittee shall not dispose of any containers in the landfill unless they are at least 90 percent full when placed in the landfill or they are crushed, shredded, or similarly reduced in volume to the maximum practical extent before burial in the landfill, or they are not larger than one ampule. *[40 CFR 264.315]*

7.10.1. The Permittee may stage interim process loads, while awaiting verification testing, in accordance with Permit Application Sections 8.7.4 (Interim Processing Loads) and 11.3.9 (Special Requirements for Interim Processing Loads).

7.11. DISPOSAL OF SMALL CONTAINERS OF HAZARDOUS WASTE IN OVERPACKED DRUMS (LAB PACKS)

The Permittee shall dispose of any small containers of hazardous waste in over-packed drums (lab packs) in accordance with the detailed plans and procedures contained in Permit Application Section 11.3.4.1 (Lab Packs). *[40 CFR 264.316]*

7.12. SPECIAL LANDFILL PROVISIONS FOR HAZARDOUS WASTES F020, F021, F022, F023, F026, AND F027 *[40 CFR 264.317]*

7.12.1. Hazardous wastes F020, F021, F022, F023, F026, or F027 may only be disposed in the landfill if the waste is shown to meet the treatment standards in 40 CFR 268.

7.12.2. The Permittee shall follow the special requirements for these wastes as specified in Permit Application Section 11.3.8 (Special Requirements for Management of F020, F021, F022, F023, F026 and F027 Wastes).

7.13. COMPLIANCE SCHEDULE

The Permittee shall perform the following task(s) by the listed due date(s):

	Task	Date Due
1	The Permittee shall close Trench 12 in accordance with the standalone document, "Design Basis and Construction Specifications for Trenches 11 and 12 Final Covers – Supplement to Trench 12 Construction Quality Assurance Plan, April 2008"; and Trench 13 in accordance with the Trench 13 Landfill Engineering Report, March 2016. Both of the referenced documents have been adopted herein under Attachment 2 of this Permit.	Within one (1) year after the final placement of waste.
2	The Permittee shall demonstrate that the Leachate Collection and Removal System (LCRS) and Leak Detection System (LDS) are functioning properly. Unless otherwise approved, the performance	Prior to placement of the Operations Layer in each

	Task	Date Due
	demonstration shall be observed by regulatory staff. ***--- Completed May 9-10, 2017 [Phase A]***	constructed cell at Trench 13
3	The Permittee shall submit as-built drawings and the results of the construction and installation QA/QC Plan stamped by a qualified Professional Engineer. This will be required for each construction phase of Trench 13. ***--- Completed June 2017 [Phase A]***	Prior to accepting waste in each constructed cell at Trench 13
4	The Permittee shall install and analyze 3 sampling events from one well upgradient and two wells downgradient of each construction phase of Trench 13. [See Table 10.2.] ***--- Completed June 2017 [Phase A– MW-328, MW-330, MW-331]***	Prior to accepting waste in each constructed cell at Trench 13
5	*Reserved*	

8. SUMMARY

The US EPA's National Waste Minimization Program supports efforts that promote a more sustainable society, reduce the amounts of waste generated, and lower the toxicity and persistence of wastes that are generated. The Permittee is required to conduct a Waste Minimization Program in accordance with this section of the Permit and Permit Application Section 3, Appendix H.

8.1. WASTE MINIMIZATION RECORD

The Permittee shall maintain at the facility copies of waste minimization documents required in Permit Conditions 8.2 and 8.3 and shall make them available to any authorized representative of NDEP or USEPA conducting an inspection of the facility.

8.2. WASTE MINIMIZATION CERTIFICATION

The Permittee shall annually certify the following in accordance with 40 CFR 264.73(b)(9):

1. The Permittee has a program in place to reduce the volume and toxicity of all hazardous wastes which are generated by the facility operations to the degree, determined by the Permittee, to be economically practicable;
2. The method of treatment, storage, or disposal is the only practicable method or combination of methods currently available to the facility, which minimizes the present and future threat to human health and the environment;
3. This certification shall be retained with the facility's operating record and shall comply with the signatory requirements of Permit Condition 1.5.13; and
4. The Permittee shall send a copy of the annual certification to NDEP-BSMM.

8.3. SOURCE REDUCTION PLANS AND REPORTS

8.3.1. Source Reduction Evaluation Review and Plan

The Permittee shall submit a source reduction evaluation review and plan to the Director. The review and plan should be conducted and prepared in accordance with the procedures and format provided in the EPA Waste Minimization Opportunity Assessment Manual or other equivalent source reduction guidance. The review and plan shall include, at a minimum, the following:

[40 CFR 270.32(b)]

1. The name and location of the facility.
2. The NAIC/SIC Code of the facility.
3. A copy of any written company policy or statement that outlines the general goals, objectives, and methods of source reduction to be implemented within the next five years.
4. Identification of all routinely generated hazardous waste streams, which result from ongoing processes or operations.
5. For each hazardous waste stream identified in Permit Condition 8.3.1 4 the following information shall be included:
    (a) An estimate of the quantity of hazardous waste generated; and

(b) An evaluation of source reduction approaches available to the Permittee, which are potentially viable. The evaluation shall consider at a minimum the following source reduction approaches:

(1) Input change;

(2) Operational improvement;

(3) Production process change; and

(4) Product reformulation.

6. Any source reduction and/or recycling measure implemented by the Permittee in the last five years.
7. A specification of, and a rationale for, the technically feasible and economically practicable source reduction measures which will be taken by the Permittee with respect to each waste stream identified. The review and plan shall fully document any statement explaining the Permittee's rationale for rejecting any available source reduction approach identified in Permit Condition 8.3.1.5.[i]
8. A detailed description of any programs the Permittee may have to assist generators of hazardous waste in reducing the volume or quantity and toxicity of wastes they produce.
9. An evaluation, and, to the extent practicable, a quantification, of the effects of the chosen source reduction method on emissions and discharges to the air, water, or land environmental mediums.
10. A description of employee training programs and employee incentive programs for source reduction, which may be in effect at the facility.
11. A timetable for making reasonable and measurable progress towards implementation of the selected source reduction measures identified in Permit Condition 8.3.1.7.
12. A summary of the source reduction evaluation review and plan.
13. Certification of the review and plan and the summary by a qualified Professional Engineer, or by an individual who is responsible for the processes and operation of the facility, or by an environmental assessor, who has demonstrated expertise in hazardous waste management. The engineer, individual, or assessor shall certify the review, the plan and the summary only if the review, the plan and the summary meet all the requirements of Permit Condition 8.3.1.

8.3.2. Certification of Plan Implementation

The Permittee shall submit a written statement from a responsible official of the facility certifying that the Permittee has implemented, is implementing, or will be implementing, the source reduction measures identified in the facility's Source Reduction Plan according to the implementation schedule contained in the plan.

8.3.2.1. The Permittee may determine not to implement a measure selected pursuant to Permit Condition 8.3.1 7 only if the Permittee determines, upon conducting further analysis or due to unexpected circumstances, that the selected measure is not technically feasible or economically practicable,

[i] **Note:** NDEP does not consider a source reduction method to be valid if it merely switches the waste load from one environmental medium (air, water, or land) to another.

or if attempts to implement that measure reveal that the measure would result in, or has resulted in, any of the following: *[40 CFR 264.73(b)(9)]*

1. An increase in the generation of waste (hazardous and solid);
2. An increase in the release of hazardous chemicals to other environmental media;
3. Adverse impacts on product quality; or
4. A significant increase in the risk of an adverse impact to human health or the environment.

8.3.3. Source Reduction Plan and Plan Summary Amendments

If the Permittee elects not to implement the measures selected pursuant to Permit Condition 8.3.1 7, the Permittee shall amend its review, plan, and summary to reflect this rejection; and include in the review, plan, and summary, proper documentation identifying the rationale for this rejection. Any amendments to the review, plan or summary shall be submitted to the Director no later than thirty (30) days prior to implementation of the changes. *[40 CFR 270.32(b)]*

8.3.4. Hazardous Waste Management Performance Report

Within one (1) year of the effective date of this permit and every year thereafter, the Permittee shall prepare a hazardous waste management performance report documenting hazardous waste management approaches implemented at the facility. The report shall be prepared in accordance with the EPA Waste Minimization Opportunity Assessment Manual or other equivalent source reduction guidance. The report shall include at a minimum the following: *[40 CFR 270.32(b)]*

1. The name and location of the facility.
2. The SIC Code for the facility.
3. The following information for each waste stream identified pursuant to Permit Condition 8.3.1 4:

   (a) An estimate of the quantity of hazardous waste generated and the quantity of hazardous waste managed by the Permittee during the current reporting year and the baseline year. The current reporting year is the calendar year immediately preceding the year in which the report is to be prepared. For the initial report, the baseline year is any calendar year selected by the Permittee for which substantial data is available on waste generation, or on-site or off-site management. Alternatively, the Permittee may select the current reporting year as the initial baseline year. For all subsequent reports, the baseline year is the current reporting year of the immediately preceding report.

   (b) An assessment of the effect, during the current year, of each hazardous waste management measure implemented since the baseline year, upon the generation and the on-site and off-site management of hazardous waste. For the initial report, the assessment of the effect required by this condition shall be made for the current year in general terms for any waste management measures implemented in the preceding five years. The report shall consider, but shall not be limited to, measures which use the following approaches:

   (1) Source reduction;
   (2) Recycling; and
   (3) Treatment.

(c) A description of factors during the current reporting year that have affected hazardous waste generation and on-site and off-site hazardous waste management since the baseline year. For the initial report, the description of factors shall be made in general terms for those factors affecting generation and management in the preceding five years. The description shall include, but is not limited to, any of the following:
   (1) Changes in business activity;
   (2) Changes in waste classification;
   (3) Natural phenomena; and
   (4) Other factors that have affected either the quantity of hazardous waste generated or on-site and off-site hazardous waste management requirements.

(d) A description of any factors, which may have prevented implementation of any aspect of the source reduction plan.

4. A summary of the hazardous waste management performance report.

5. Certification of the report and summary by a qualified Professional Engineer, an individual who is responsible for the processes and operations of the facility, or an environmental assessor, who has demonstrated expertise in hazardous waste management. The engineer, individual, or assessor shall certify the report and summary only if the report and summary meet all the requirements of Permit Condition 8.3.4.

8.4. COMPLIANCE SCHEDULE

Task		Date Due
1	*Reserved*	

9. SUMMARY

The Permittee is required to manage hazardous waste in accordance with the air emission standards of Subpart AA, BB, and CC of 40 CFR Part 264, as applicable. Containers (Permit Section 3) of hazardous waste with volatile organic compound (VOC) concentrations over 500 ppm are subject to these requirements. No waste with a concentration greater than 500 ppm VOCs may be stored or treated in tanks at this facility. At the time this permit was issued, no Hazardous Waste Management Unit (HWMU) subject to 40 CFR 264 Subpart AA was permitted at this facility.

9.1. ORGANIC AIR EMISSION STANDARDS

9.1.1. Prior to constructing any Hazardous Waste Management Unit (HWMU) with process vents subject to the requirements of 40 CFR 264, Subpart AA or installing any additional equipment subject to the requirements of 40 CFR 264, Subpart BB, the Permittee shall apply for a permit modification, as described in Permit Condition 1.2.1, and provide the specific Part B information required under 40 CFR 270.14-17, 270.24 and 270.25, as applicable, with the modification request.

9.1.2. Prior to installing any tank, surface impoundment or miscellaneous unit subject to 40 CFR 264, Subpart CC, the Permittee shall apply for a permit modification described in Permit Condition 1.2.1, and provide the specific Part B information required under 40 CFR 270.14-17 and 270.27, as applicable, with the modification request.

9.1.3. The Permittee shall also maintain compliance with the Air Quality Operating Permit #AP4953-0184.03 (and any revisions and renewals) issued to American Ecology Corporation by NDEP, Bureau of Air Pollution Control.

9.2. APPLICABILITY

40 CFR 264 Subpart BB establishes air emission controls for equipment leaks. Subpart BB applies to HWMU's that contain or contact hazardous wastes with organic concentrations of at least 10 percent by weight for at least 300 hours per calendar year. 40 CFR 264 Subpart CC establishes air emission controls for containers, tanks, surface impoundments, or miscellaneous units subject to 40 CFR 264 Subparts I, J, K or X. Generally, if a hazardous waste has an average VOC concentration less than 500 parts per million by weight (ppmw) at the point of waste origination, the unit is exempt from the Subpart CC regulations. The containers stored in the areas identified and the tanks listed in Table 9.2, below, are subject to Subpart BB and/or Subpart CC regulations.

Table 9.2

Waste Management Area	Type of Unit	Air Emission Control Requirements
PCB/RCRA Storage Building (CMU 1)	Container Storage	Subpart CC [Level 1 Controls]
Dry Hazardous Waste Storage Area #2 (CMU 6)	Container Storage	Subpart CC [Level 1 or 2 Controls]
Bin Storage Area (CMU 7)	Container Storage	Subpart CC [Level 1 Controls]

Waste Management Area	Type of Unit	Air Emission Control Requirements
Container & Tank Management Building (CMU 16)	Container Storage	Subpart CC [Level 1 Controls]
Container Management Building (CMU 19)	Container Storage	Subpart CC [Level 1 Controls]
Dry Hazardous Waste Storage Area #3 (CMU 17)	Container Storage	Subpart CC [Level 1 or 2 Controls]
T-4 [i]	Tank Storage (PCB)	Subpart BB/CC [Level 1 Controls]
T-5 [i]	Tank Storage (PCB)	Subpart BB/CC [Level 1 Controls]
T-6 [i]	Tank Storage (PCB)	Subpart BB/CC [Level 1 Controls]
T-7 [i]	Tank Storage (PCB)	Subpart BB/CC [Level 1 Controls]
T-2 (Pan 2) [ii]	Tank Treatment	Subpart CC [Level 2 Controls]
T-3 (Pan 3) [ii]	Tank Treatment	Subpart CC [Level 2 Controls]
T-18 (Pan 4) [ii]	Tank Treatment	Subpart CC [Level 2 Controls]
T-19 (Pan 5) [ii]	Tank Treatment	Subpart CC [Level 2 Controls]
T-11 (Truck Wash Pad) [ii]	Tank Treatment	Subpart CC [Level 2 Controls]
T-20 (Main Laboratory)	Tank Storage	None
T-21 (Satellite Laboratory)	Tank Storage	None

9.2.1. The Permittee shall use the procedures specified in 40 CFR 264.1063(d) to determine if equipment is subject to the Subpart BB air emission standards.

9.2.2. The Permittee shall use the procedures specified in 40 CFR 264.1080, 264.1082 or documentation submitted by the Generator of the waste to determine if a waste stream requires Subpart CC air emission controls.

1. When using Generator-supplied information the determination shall be made in accordance with 264.1083.
2. If an exemption is based on 40 CFR 264.1082(c)(1), then the VOC concentration of the hazardous waste streams shall be reviewed at least once every 12 months.

[i] These tanks are not currently subject to Subpart CC standards because the contents of these tanks are not likely to contain any VOCs.

[ii] These tanks are not currently subject to Subpart CC standards because the Permittee does not treat any waste with VOCs >500 ppm in these tanks.

9.3. OPERATING REQUIREMENTS

9.3.1. The Permittee shall control air pollutant emissions from each container subject to this Permit Section, in accordance with the following requirements, as applicable to the container:
[40 CFR 264.1086(b)(1)]

9.3.1.1. For a container having a design capacity greater than 26 gallons and less than 119 gallons, the Permittee shall control air pollutant emissions from the container in accordance with the Container Level 1 standards specified in Permit Condition 9.3.2, below.

9.3.1.2. For a container having a design capacity greater than 119 gallons that is not in light material service, the Permittee shall control air pollutant emissions from the container in accordance with the Container Level 1 standards in Permit Condition 9.3.2, below.

9.3.2. A container using Container Level 1 standards is one of the following: *[40 CFR 264.1086(c)(1)]*

9.3.2.1. A container that meets the applicable U.S. Department of Transportation (DOT) regulations on packaging hazardous materials for transportation, as specified in 49 CFR Part 178-Specifications for Packaging or 49 CFR Part 179 (Specifications for Tank Cars and 40 CFR Part 107, Subpart B-Exemptions; 49 CFR Part 172-Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements; 49 CFR Part 173-Shippers-General Requirements for Shipments and Packages; and 49 CFR Part 180-Continuing Qualification and Maintenance of Packaging).

9.3.2.1.1. For the purpose of complying with this Section, no exceptions to the 49 CFR Part 178 or 179 regulations are allowed except as provided in Permit Condition 9.3.2.1.2.

9.3.2.1.2. For a lab pack that is managed in accordance with the requirements of 49 CFR Part 178, for the purpose of complying with this Section, the Permittee may comply with the exceptions for combination packaging specified in 49 CFR Part 173.12(b).

9.3.2.2. A container equipped with cover and closure devices that form a continuous barrier over the container openings, such that when the cover and closure devices are secured in the closed position there are no visible holes, gaps, or other open spaces into the interior of the container. The cover may be a separate cover installed on the container (e.g. a lid on a drum or a suitably secured tarp on a roll-off box) or may be an integral part of the container structural design (e.g., a “portable tank” or bulk cargo container equipped with a screw type cap).

9.3.2.3. An open-top container in which an organic-vapor suppressing barrier (e.g. organic-vapor suppressing foam) is placed on or over the hazardous waste in the container such that no hazardous waste is exposed to the atmosphere.

9.3.3. A container using Container Level 1 controls shall have a cover or closure device that is compatible with the waste and the intended management of the container. *[40 CFR 264.1086(c)(2)]*

9.3.4. Whenever storing a container using Container Level 1 controls, the Permittee shall install all covers and closure devices for the container, and secure and maintain each closure device in the closed position except as follows: *[40 CFR 264.1086(c)(3)]*

9.3.4.1. Opening of a closure device or cover is allowed for the purpose of adding hazardous waste or other material to the container as follows:

9.3.4.1.1. In the case when the container is filled to the intended final level in one continuous operation, the Permittee shall promptly secure the closure devices in the closed position and install the covers as applicable to the container, upon the conclusion of the filling operation.

9.3.4.1.2. In the case when discrete quantities or batches of material intermittently are added to the container over a period of time, the Permittee shall promptly secure the closure devices in the closed position and install covers as applicable to the container upon:

1. The container being filled to the intended final level;
2. The completion of a batch loading after which no additional material will be added to the container within 15 minutes;
3. The person performing the loading operation leaving the immediate vicinity of the container; or
4. The shutdown of the process generating the material being added to the container, whichever condition occurs first.

9.3.4.2. Opening of a closure device or cover is allowed for the purpose of removing hazardous waste from the container as follows: *[40 CFR 264.1086(c)(3)(ii)]*

9.3.4.2.1. For the purposes of meeting the requirements of this Permit Condition, an empty container as defined in 40 CFR 261.7(b) may be open to the atmosphere at any time (i.e., covers and closure devices are not required to be secured in the closed position on an empty container).

9.3.4.2.2. In the case when discrete quantities or batches of material are removed from the container but the container does not meet the conditions to be an empty container as defined by 40 CFR 261.7(b), the Permittee shall promptly secure the closure devices in the closed position and install covers as applicable to the container, upon the completion of a batch removal after which no additional material will be removed from the container within 15 minutes or the person performing the operation leaves the immediate vicinity of the container, whichever occurs first.

9.3.4.3. Opening of a closure device or cover is allowed when access inside the container is needed to perform routine activities (e.g., sampling) other than transfer of hazardous waste. Following completion of the activity, the Permittee shall promptly secure the closure device or reinstall the cover, as applicable to the container.

9.3.4.4. Opening of a spring-loaded, pressure-vacuum relief valve, conservation vent, or similar type of pressure relief device which vents to the atmosphere is allowed during normal operations for maintaining the internal pressure of the container in accordance with the container design specifications. The device shall be designed to operate with no detectable organic emissions

when the device is secured in the closed position. The settings at which the device opens shall be established such that the device remains in the closed position whenever internal pressure of the container is within the normal internal operating pressure for that container as defined in 40 CFR 264.1086(c)(3)(iv).

9.3.4.5. Opening of a safety device as defined in 40 CFR 264.1081, is allowed at any time conditions require doing so to avoid an unsafe condition.

9.4. INSPECTION AND REPORTING REQUIREMENTS

9.4.1. The Permittee shall inspect containers using Container Level 1 controls and their covers as follows:

9.4.1.1. Containers managed at the facility which are not empty per 40 CFR 261.7(b), shall be visually inspected within 24 hours of acceptance. Each container and its cover shall be inspected for visible cracks, holes, gaps or other open spaces when the cover or closure device is secured in the closed position. If a defect is detected, the Permittee shall repair the defect in accordance with Permit Condition 9.4.1.2.

9.4.1.2. When a defect is detected for a container, cover or closure device, the Permittee shall make first efforts at repair of the defect no later than 24 hours after detection, and the repair shall be completed as soon as possible but no later than 5 calendar days after the defect is detected. If a repair or defect cannot be completed within 5 calendar days, then the hazardous waste shall be removed from the container and the container shall not be used to manage hazardous waste until the defect is repaired.

9.4.2. Visual inspections, monitoring, and all recordkeeping requirements shall be met for each unit to ensure compliance with 40 CFR 264.1088 and 264.1089.

9.4.3. The Permittee shall report to the Director within seven (7) days any unit that is not listed in Table 9.2 and is managing hazardous waste such that 40 CFR 264 Subpart AA, BB or CC should apply to that unit.

9.4.4. A monitoring and inspection schedule and procedures shall be submitted to the Director, within thirty (30) calendar days prior to the anticipated start-up of any new Subpart CC unit or emissions control technology on existing units. The inspection schedule and procedures shall be approved by the Director prior to any continuous or intermittent operations.

9.4.5. The Permittee shall determine if a Permit modification is required under 40 CFR 270.42 or Permit Condition 1.2 for any new activity requiring management under this Section and follow the procedures in 40 CFR 270 to obtain a Permit modification if required.

9.4.6. The Permittee shall mark, inspect, monitor and repair, as applicable, all equipment subject to Subpart BB standards in accordance with 40 CFR 264.1052-1062.

9.4.7. The Permittee shall comply with the test method and procedure requirements in 40 CFR 264.1063 pertaining to all equipment subject to Subpart BB standards.

9.4.8. The Permittee shall comply with the reporting requirements, as applicable, provided in 40 CFR 264.1065 pertaining to all equipment subject to Subpart BB standards, as specified in Permit Condition 2.12.4.10.

9.5. RECORDKEEPING REQUIREMENTS

9.5.1. The Permittee shall maintain at the facility in the operating record the following information:

9.5.1.1. A copy of the procedure used to determine that containers with a capacity of 119 gallons or greater, which do not meet applicable DOT regulations as specified in 264.1086(f), are not managing hazardous waste in light material service.

9.5.1.2. For waste streams that do not require the use of air emission control equipment, documentation shall be recorded and maintained in the operating record that includes the information that was used by the Permittee for each waste determination (e.g. test or certification by the generator). If analysis results for waste samples are used for the waste determination, then the Permittee shall record the date, time, and location that each waste sample is collected in accordance with applicable requirements in 40 CFR 264.1083.

9.5.1.3. For containers used at the facility to manage hazardous wastes covered by this Section, sufficient information shall be provided to describe:

1. An identification number for the container or group of containers;
2. The purpose and placement of this container, or group of containers, in the management train of this hazardous waste; and
3. The procedures used to ultimately dispose of the hazardous waste handled in the containers.

9.5.2. The Permittee shall comply with the recordkeeping requirements of 40 CFR 264.1064, as applicable, pertaining to all equipment subject to Subpart BB standards.

9.5.3. The Permittee shall maintain at the facility until closure of the facility is completed and certified by a qualified Professional Engineer, the following air emission control documents and information, including all amendments, revisions and modifications to these documents and information:

9.5.3.1. Identification of each area that manages waste subject to 40 CFR 264 Subpart AA, BB or CC controls and the Permittee's certification that the requirements of this Subpart are met. The facility must document if the containers are subject to Level 1, Level 2 or Level 3 requirements;

9.5.3.2. An emission monitoring plan for Method 21 in 40 CFR Part 60, Appendix A. This plan shall include monitoring point(s), monitoring methods for control devices, monitoring frequency, procedures for documenting any exceedance, and procedures for mitigating noncompliance.

9.5.4. The Permittee shall maintain compliance with and follow procedures in Permit Application Section 9.2.8 (Air Emission Standards).

9.6. COMPLIANCE SCHEDULE

	Task	Date Due
1	*Reserved*	

10. SUMMARY

The Permittee is required to conduct a Groundwater Detection Monitoring Program in compliance with 40 CFR 264.98. A description of the facility defining onsite and offsite and the "Point of Compliance" (POC) (see 40 CFR 264.95) is identified by the legal description of the facility as contained in Appendix F of Section 3 and shown in Figure 13-3 of the Permit Application. This Groundwater Detection Monitoring System may ultimately be comprised of as many as 33 wells and currently includes 28 existing groundwater monitoring wells (23 upper aquifer wells and 5 lower aquifer wells). Three of the groundwater monitoring wells, one upgradient and two downgradient from Trench 13, were installed during the 3rd Quarter of 2016. An additional well (MW-330) was installed during the 1st quarter 2017, and another well (MW-332A) during 1st quarter 2019, both downgradient from Trench 13. At least three new groundwater monitoring wells will be installed downgradient from Trench 13, in conjunction with the future construction phases of Trench 13. The existence of pre-RCRA Solid Waste Management Units (SWMUs) and active hazardous waste landfills were grounds for requiring the Permittee to maintain a Groundwater Detection Monitoring Program. The GWPS values for the constituents and parameters listed in Tables 10.3A, 10.3B and 10.3C will be used to detect releases from landfill Trenches 11, 12 and 13 and the pre-RCRA SWMUs including Trenches 1 through 10.

The Permittee is also required to conduct leachate monitoring for landfill Trenches 11, 12 and 13. The existence of closed and active hazardous waste landfills were grounds for requiring leachate monitoring. The leachate monitoring currently includes eight (8) existing pairs of leachate sumps (four in Trench 11, three in Trench 12 and one in Trench 13). Four more pairs of leachate sumps are to be installed at Trench 13, one pair for each construction phase.

10.1. POINT OF COMPLIANCE

The Point of Compliance (POC) is established as described in Permit Section 10 Summary, above. All wells identified herein as POC wells, or installed for that purpose subsequent to Permit issuance, are considered reflective of the conditions at the Point of Compliance. For the purposes of determining whether the facility complies with the Groundwater Protection Standards (GWPS) established herein, any exceedance of the GWPS identified in Tables 10.3A, 10.3B or 10.3C requires compliance with Permit Conditions 10.8.4 and 10.8.5.

10.2. WELL LOCATION, INSTALLATION AND CONSTRUCTION

The Permittee shall install and maintain the groundwater monitoring system as required by 40 CFR 264.97, as specified in Permit Application Section 13 (Environmental Monitoring Plan), and as summarized below:

10.2.1. The Permittee shall install and maintain groundwater monitoring wells at the locations specified on the map in Figure 13-3 of Permit Application Section 13 (Environmental Monitoring Plan) and in conformance with Table 10.2, below:

Table 10.2

MONITORING WELL IDENTIFICATION		DESIGNATION
1	001	POC

MONITORING WELL IDENTIFICATION		DESIGNATION
2	002	POC
3	308	POC
4	309	POC
5	310	POC
6	311	POC
7	313	Background
8	315A	POC
9	316	POC
10	317	POC
11	318	Background
12	319	Background
13	320	POC
14	322	POC
15	324	POC
16	325	POC
17	326	POC
18	327[i]	POC
19	328	Background
20	330[ii]	POC
21	331	POC
22	332[iii]	POC
23	332A	POC
24	333[iv]	POC
25	334	POC
26	335	POC
27	336	POC
28	337	POC

[i] One year prior to construction of Trench 13 Phase E, Monitoring Well 327 will be evaluated to determine if a replacement or abandonment is needed.

[ii] Monitoring Well 330 was installed at the southeast corner of Trench 13 as a downgradient POC well for Phase A. However, the resulting water chemistry suggests this well was completed in a different aquifer than the other wells. In addition, Monitoring Well 329 was initially planned for installation on the eastern edge of Trench 13. However, based on results from Monitoring Well 330, directly downgradient of the proposed location, it was determined not to install Monitoring Well 329.

[iii] Monitoring Well 332, as initially completed, does not yield adequate water for sampling. The well will be utilized as a sentinel well for the detection of any potential organic constituents. Another monitoring well, MW-332A, was installed further south of Phase B and will be sampled quarterly.

[iv] Monitoring Wells 333, 334, 335 and 336 shall be installed and sampled before waste is accepted for disposal in Phase B, Phase C, Phase D and Phase E of Trench 13, respectively. Monitoring Well 337 shall be installed before waste is accepted for disposal in Phase E.

MONITORING WELL IDENTIFICATION		DESIGNATION
29	600 [Bkgd]	Supplemental ~ Lower Aquifer
30	601	Supplemental ~ Lower Aquifer
31	603	Supplemental ~ Lower Aquifer
32	604	Supplemental ~ Lower Aquifer
33	605	Supplemental ~ Lower Aquifer

10.2.2. The Permittee shall maintain borehole integrity of each monitoring well identified in Table 10.2, as required by 40 CFR 264.97(c).

10.2.3. Any wells deleted from the monitoring program shall be plugged and abandoned in accordance with NAC 534.420, and shall be decommissioned only upon prior approval of the Director. All well decommissioning methods and certification reports shall be submitted to the Director within sixty (60) days from the date any wells are approved to be removed from the monitoring program.

10.2.4. All new and replacement wells shall be drilled and constructed as approved by NDEP-BSMM. A well installation work plan shall be submitted to the Department, for approval, for all new and replacement monitoring wells. The Permittee shall not begin drilling until NDEP-BSMM approval has been granted. All new and replacement monitoring wells shall be designed, constructed, and installed in accordance with Nevada's Monitoring Well Installation Regulations (NRS 445A.660, NAC 534); and, as appropriate, in general accordance with current guidance from the Division and the EPA for drilling and construction of groundwater monitoring wells.

10.2.4.1. The Permittee shall take all reasonable precautions during drilling to prevent cross-contamination between the water-bearing hydrologic zone and the geologic zones overlying and underlying the hydrologic zone.

10.2.5. The Permittee shall submit to the Division within sixty (60) calendar days of installation of any new or replacement monitoring well, or decommissioning of an existing monitoring well, revised versions of Figure 13-3, and any other listing/description of the groundwater monitoring wells in Section 13.3.1 and Table 13-1 of the Permit Application. The Permittee shall obtain a permit modification for any new or replacement monitoring well.

10.3. INDICATOR PARAMETERS AND MONITORING CONSTITUENTS

10.3.1. The Permittee shall monitor all wells listed in Table 10.2 for the parameters and constituents listed in Tables 10.3A, 10.3B and 10.3C in accordance with Permit Conditions 10.3.1.1 and 10.3.1.2.

[40 CFR 264.98(a)]

10.3.1.1. All Point of Compliance (POC) and background wells in Table 10.2 shall be sampled quarterly, for the parameters and constituents listed in Table 10.3A (except for Nitrate, which will be

sampled for annually[v]); and sampled annually for the constituents listed in Table 10.3B. Wells[vi] MW-001, MW-002, MW-313, MW-319, MW-320, MW-322, MW-324, MW-325, MW-326 and MW-327 shall be sampled biannually for the radioisotopes listed in Table 10.3C.

10.3.1.2. All Supplemental Wells shall be sampled every five (5) years, before each permit renewal, for the parameters and constituents in Tables 10.3A, 10.3B and 10.3C.[vii]

10.3.1.3. All leachate sumps shall be sampled quarterly for the parameters and constituents listed in Table 10.3D, as described in Permit Conditions 7.2.9 and 7.3.2 and Section 13.5 of the Permit Application.

Table 10.3A – Quarterly Monitoring

Parameter or Constituent		GWPS [viii] [mg/L]
1	Arsenic (dissolved)	0.016
2	Barium (dissolved)	0.238
3	Cadmium (dissolved)	0.0053
4	Chromium (dissolved)	0.35
5	Lead (dissolved)	0.0297
6	Mercury (dissolved)	0.0002
7	Selenium (dissolved)	0.0339
8	Silver (dissolved)	0.0627
9	Cyanide (total)	0.01
10	Fluoride	5.25
11	Sodium	324
12	Sulfate	274
13	Chloride	106
14	TOC	7.46
15	pH	$7 < pH < 8$
16	Specific Conductance	< 1200 μmhos
17	Nitrate-Nitrite as N [v]	0.828

[v] The sampling frequency for nitrate has been reduced to annual based on past results and due to the 24 hour hold time that limits when samples can be collected.
[vi] These are the background wells and wells adjacent to or downgradient from the closed Low-Level Radioactive Waste (LLRW) site.
[vii] Based on USEN's justification, as provided in Permit Application Section 13, Appendix 13G, the Director has waived the requirement to sample the Supplemental Wells 600, 601, 603, 604 and 605 more often than once every five (5) years (to be included with the environmental monitoring report submitted just before each permit renewal). However, these wells must be maintained per Permit Condition 10.2.1.
[viii] All of these GWPS values were established from background data obtained from 2002 to 2014.

Table 10.3B - Annual Monitoring[ix]

Constituent		GWPS [x] [mg/L]
1	Endrin (1,2,3,4,10,10- hexachloro-1,7-epoxy-1,4, 4a,5,6,7,8,9a-octahydro-1,4-endo,endo-5,8-dimethano naphthalene)	0.0002
2	Lindane (1,2,3,4,5,6-hexachlorocyclohexane, gamma isomer)	0.004
3	Methoxychlor (1,1,1- Trichloro-2,2-bis (p-methoxyphenylethane)	0.100
4	Toxaphene ($C_{10}H_{10}Cl_6$, Technical chlorinated camphene, 67-69 percent chlorine)	0.005
5	2,4-D (2,4-Dichlorophenoxyacetic acid)	0.100
6	2,4,5-TP Silvex (2,4,5-Trichlorophenoxypropionic acid)	0.010

Table 10.3C – Semi-Annual Monitoring (Radioisotopes)

Radioisotope		GWPS [pCi/L]
1	Radium 226 / Radium 228	5 (Combination of Radium 226 & 228)
2	Tritium	250

Table 10.3D –Leachate - Quarterly Monitoring

Constituent	
1	All constituents listed in Table 10.3A
2	Chloroform
3	Tetrachloroethene
4	1,1,1-Trichloroethane
5	Trichlorofluoromethane
6	Toluene
7	Total PCBs
8	Acetone
9	Carbon Tetrachloride
10	Trichloroethene

10.3.2. For those parameters and constituents in Tables 10.3A, 10.3B and 10.3C for which no GWPS values are established at the time this Permit is issued, the Permittee shall establish GWPS values using the background well(s), in accordance with the following:[xi] *[40 CFR 264.97(g)]*

10.3.2.1. A sequence of at least four (4) samples, taken at an interval that assures, to the greatest extent technically feasible, that an independent sample is obtained, by reference to the uppermost aquifer's effective porosity, hydraulic conductivity, and hydraulic gradient, and the fate and

[ix] The sampling frequency for herbicides / pesticides has been reduced to annual due to the very low rate of occurrence and concentration of these constituents in the leachate.

[x] GWPS values are from Table 1 in 40 CFR 264.94(a)(2).

[xi] Until a GWPS is established, the concentrations found for these parameters and constituents will be compared to the concentrations found in the background well during the same quarter.

transport characteristics of the potential contaminants; or

10.3.2.2. An alternative sampling procedure proposed by the Permittee and approved by the Director.

10.3.3. The Permittee shall take a sufficient number and volume of samples from each well to analyze for each parameter and/or constituent identified in Tables 10.3A, 10.3B and 10.3C each time the system is sampled. *[40 CFR 264.97(g)]*

10.3.3.1. Point of Compliance (POC) and background wells shall have four independent field measurements of specific conductance and pH at the time of each quarterly sampling event. *[40 CFR 264.98(d)]*

10.3.3.2. Background groundwater quality for monitoring parameters or constituents shall be based on all available data from quarterly (Table 10.3A), annual (Table 10.3B) or semi-annual (Table 10.3C) sampling of Wells 313, 318, 319 and 328 (when data is acquired). *[40 CFR 264.97(g)]*

10.3.3.3. The Permittee shall take a minimum of one sample from each well, each time the POC wells are sampled, to identify changes to background groundwater quality for each parameter or constituent. *[40 CFR 264.97(g)(2)]*

10.3.3.4. The Permittee shall recalculate the Groundwater Protection Standards established in Tables 10.3A, 10.3B, and 10.3C and include such calculations when submitting an application for permit renewal in accord with 40 CFR 270. The recalculation shall include all data obtained from the background well(s), which will be used by the Director to assist in establishing a background limit for each parameter or constituent monitored; alternatively, the Director may accept another suitable method of establishing the Groundwater Protection Standards which the Permittee can request through a permit modification following the procedures outlined in Permit Condition 1.2.1.

10.4. SAMPLING AND ANALYSIS PROCEDURES

The groundwater monitoring program must include sampling and analysis procedures that accurately measure hazardous constituents in groundwater and that are designed to ensure monitoring results that provide a reliable indication of the groundwater below the hazardous waste management area. The Permittee shall use the following techniques and procedures when obtaining and analyzing samples from the groundwater monitoring wells described in Permit Condition 10.2: *[40 CFR 264.97(d) and (e)]*

10.4.1. Samples shall be collected using the techniques described in Appendix 13-D (Sampling and Analysis Plan) of the Environmental Monitoring Plan in the Permit Application.

10.4.2. Samples shall be preserved and shipped (when shipped off site for analysis), in accordance with the procedures specified in Appendix 13-D (Sampling and Analysis Plan) of the Environmental Monitoring Plan in the Permit Application.

10.4.3. Samples shall be analyzed in accordance with the procedures specified in Appendix 13-D (Sampling and Analysis Plan) of the Environmental Monitoring Plan in the Permit Application.

10.4.4. Samples shall be tracked and controlled using the chain-of-custody procedures specified in Appendix 13-D (Sampling and Analysis Plan) of the Environmental Monitoring Plan in the Permit Application.

10.4.5. Field sampling equipment shall be calibrated in accordance with the manufacturer's guidelines for each piece of equipment. Manufacturer's guidelines for each field-sampling device shall be maintained at the facility. The calibration data shall be recorded and maintained as part of the operating record of the facility.

10.5. ELEVATION OF THE GROUNDWATER SURFACE

10.5.1. The Permittee shall determine the elevation of the groundwater surface at each well each time the groundwater is sampled, in accordance with Permit Condition 10.4 and Permit Application Section 13 (Environmental Monitoring Plan). *[40 CFR 264.97(f)]*

10.5.2. For all new replacement wells, the Permittee shall record, with as-built drawings, the total depth of the well and the elevations of the following:

1. Top of the casing;
2. Ground surface and/or apron; and
3. Protective casing.

10.6. MONITORING PROGRAM AND DATA EVALUATION

10.6.1. The Permittee shall collect, preserve, and analyze samples pursuant to Permit Conditions 10.3 and 10.4.

10.6.2. The Permittee shall determine groundwater quality at each monitoring well at the compliance point quarterly during the active, closure and post-closure life of all regulated units.
[40 CFR 264.98(d)]

10.6.2.1. The Permittee shall express the groundwater quality at each monitoring well in a form necessary for the determination of statistically significant increases (i.e. means and variances).
[40 CFR 264.97(h)]

10.6.3. The Permittee shall determine the groundwater flow rate and direction in the uppermost aquifer biannually and submit the results to the Director per Permit Condition 10.8.3.
[40 CFR 264.98(e)]

10.6.4. The Permittee shall determine whether there is a statistically significant increase (SSI) over the GWPS for each parameter identified in Tables 10.3A, 10.3B and 10.3C each time groundwater quality is determined at the compliance point (quarterly for Table 10.3A, annually for Table 10.3B and biannually for Table 10.3C). In determining whether such an increase has occurred, the Permittee must compare the groundwater quality at each monitoring well specified in Table 10.2 to the GWPS values specified in Tables 10.3A, 10.3B and 10.3C, in accordance with the procedures specified in Permit Condition 10.7. If GWPS values have not been established for a parameter, then the value at each monitoring well specified in Table 10.2 will be compared to the

background values at Wells 313, 318, 319 and 328 (for wells downgradient from Trench 13) for that sampling event. *[40 CFR 264.98(f)]*

10.6.5. The Permittee shall perform the evaluations described in Permit Condition 10.6.4 within 30 days after receiving the sampling results from the laboratory.

10.7. STATISTICAL PROCEDURES

10.7.1. A statistically significant increase (SSI) is determined by comparing each groundwater monitoring result to the corresponding GWPS value in Table 10.3A, 10.3B and 10.3C. If the value of the groundwater data is higher than its respective GWPS limit, then the Permittee shall:

10.7.1.1. Resample the affected well for required parameters at the next scheduled quarterly sampling event.

10.7.1.2. Compare the results obtained to the GWPS limits in Tables 10.3A, 10.3B and 10.3C. If the results of the resample are higher than the GWPS, such that two consecutive results exceed the GWPS, then the Permittee shall comply with Permit Conditions 10.8.4 and/or 10.8.5.

10.7.1.3. The Permittee shall perform the evaluations described in Permit Condition 10.7.1 within ninety (90) days after receipt of quarterly groundwater analytical results. *[40 CFR 264.98(f)(2)]*

10.7.2. If the Permittee determines, pursuant to Permit Condition 10.7.1.2, there is a statistically significant increase above the background values for the parameters and constituents specified in Table 10.3A, the Permittee may demonstrate that a source other than a currently operating regulated unit caused the increase or that the increase resulted from error in sampling, analysis, evaluation, or natural variation in the groundwater. *[40 CFR 264.98(g)(6)]*

In such cases, the Permittee shall:

10.7.2.1. Notify the Director in writing as part of the next regularly scheduled semi-annual Groundwater Monitoring Report that the Permittee intends to make such a demonstration, and *[40 CFR 264.98(g)(6)(i)]*

10.7.2.2. Submit a demonstration in that report that a source other than a currently operating regulated unit caused the increase, or that the increase resulted from error in sampling, analysis, evaluation, or natural variation in the groundwater. *[40 CFR 264.98(g)(6)(ii)]*

10.7.2.3. The Permittee shall perform the evaluations described in Permit Conditions 10.6.4 through 10.7.2 within 90 days after receipt of quarterly groundwater analytical results. *[40 CFR 264.98(f)(2)]*

10.8. RECORDKEEPING AND REPORTING

10.8.1. The Permittee shall enter all field equipment calibration data, monitoring, testing, and analytical data obtained in accordance with Permit Condition 10.4 in the operating record. The data must

include all computations, calculated means, variances, and tests of distribution results. *[40 CFR 264.73(b)(6)]*

10.8.2. The Permittee shall submit to the Director the analytical and field data results required by Permit Condition 10.3.1.1, Permit Condition 10.6 and the results of the statistical analyses required by Permit Condition 10.7 in accordance with Table 10.8, below. The data shall be reported in graphical, tabular and electronic file format as approved by the Director.

Table 10.8

Bi-Annual Period		Due Date
1	January 1 – June 30	September 30
2	July 1 – December 31	March 30

10.8.3. The Permittee shall submit a groundwater gradient map for the "upper" aquifer annually. The map shall indicate the velocity in feet/year, the groundwater elevation for each well used to generate the map, and the direction of flow. The map is due with the second biannual report required by Permit Condition 10.8.2. The map shall be submitted in electronic and paper copy format.

10.8.4. If the Permittee determines, pursuant to Permit Condition 10.7.1.2, that there is a statistically significant increase (SSI) above the GWPS for any of the parameters and constituents specified in Table 10.3A, 10.3B and 10.3C, which is not already being addressed under Permit Section 11 or 12A, the Permittee may demonstrate that a source other than a currently operating regulated unit caused the increase or that the increase resulted from error in sampling, analysis, evaluation, or natural variance in the groundwater *[40 CFR 264.98(g)(6)]*

In such cases, the Permittee shall:

10.8.4.1. Notify the Director in writing within seven (7) days of determining statistical significant evidence of contamination at the compliance point that the Permittee intends to make such a demonstration. *[40 CFR 264.98(g)(6)(i)]*

10.8.4.2. As part of the next regularly scheduled Bi-Annual Environmental Monitoring Report, submit a demonstration that a source other than a currently operating regulated unit caused the increase, or that the increase resulted from error in sampling, analysis, evaluation, or natural variations in the groundwater; and *[40 CFR 264.98(g)(6)(ii)]*

10.8.4.3. Within ninety (90) days, submit to the Director an application for a permit modification to make any appropriate changes to the monitoring program at the facility; and *[40 CFR 264.98(g)(6)(iii)]*

10.8.4.4. Continue to monitor in accordance with the detection monitoring program established under this section. *[40 CFR 264.98(g)(6)(iv)]*

10.8.5. If the Permittee determines, pursuant to Permit Condition 10.7.1.2, that there is an SSI above the GWPS for any of the parameters specified in Tables 10.3A, 10.3B and 10.3C, which is not already being addressed under Permit Condition 12A, and the Permittee does not submit the required

demonstration under Permit Condition 10.8.4, then the Permittee shall:

10.8.5.1. Notify the Director in writing within seven (7) days of the determination. *[40 CFR 264.98(g)(1)]*

10.8.5.2. Immediately sample the groundwater in all wells and determine the concentration of all constituents identified in Appendix IX of 40 CFR 264, excluding dioxins/furans. *[40 CFR 264.98(g)(2)]*

10.8.5.3. For any Appendix IX compounds found in the analysis pursuant to Permit Condition 10.8.5.2, the Permittee may resample at the next regularly scheduled quarterly sampling event and repeat the analysis for those compounds detected. If the results of the resample confirm the initial results, then the newly identified constituents will form the basis for the Compliance Monitoring. If the Permittee does not resample, the compounds found pursuant to Permit Condition 10.8.5.2 will form the basis for the Compliance Monitoring. *[40 CFR 264.98(g)(3)]*

10.8.5.4. Within ninety (90) days of submitting the Bi-annual Environmental[xii] Monitoring Report, submit to the Director an application for a permit modification to establish a Compliance Monitoring program for the currently operating regulated units. *[40 CFR 264.98(g)(4)]*

The application must include the following information:

10.8.5.4.1. An identification of the concentration of any Appendix IX constituent detected in the groundwater at each monitoring well at the compliance point; *[40 CFR 264.98(g)(4)(i)]*

10.8.5.4.2. Any proposed changes to the groundwater monitoring system at the facility necessary to meet the requirements of 40 CFR 264.99; *[40 CFR 264.98(g)(4)(ii)]*

10.8.5.4.3. Any proposed changes to the monitoring frequency, sampling and analysis procedures or methods, or statistical methods used at the facility necessary to meet the requirements of 40 CFR 264.99; and *[40 CFR 264.98(g)(4)(iii)]*

10.8.5.4.4. For each hazardous constituent detected at the compliance point, a proposed concentration limit under 40 CFR 264.94(a)(1) or (2), or a notice of intent to seek an alternate concentration limit under 40 CFR 264.94(b). *[40 CFR 264.98(g)(4)(iv)]*

10.9. REQUEST FOR PERMIT MODIFICATION

If the Permittee or the Director determines that the Groundwater Detection Monitoring program no longer satisfies the requirements of the regulations, the Permittee must, within ninety (90) days of the determination, submit an application for a permit modification, in accordance with Permit Condition 1.2.1, to make any appropriate changes to the program which will satisfy the regulations. *[40 CFR 264.98(h)]*

[xii] The title of this report has been changed from the "Bi-Annual Groundwater Monitoring Report" to "Bi-Annual Environmental Monitoring Report' because the results from other monitoring (i.e. leachate monitoring) is included in the reports.

10.10. COMPLIANCE SCHEDULE

	Task	Date Due
1	*Reserved*	

11. SUMMARY

The Permittee is required to conduct a Groundwater Compliance Monitoring Program in accordance with 40 CFR 264.99. A description of the facility, defining onsite, offsite and the "Point of Compliance" (POC) (see 40 CFR 264.95) is identified by the legal description of the facility, as contained in Appendix F of Section 4 and Figure 13-3 of Section 13, both in the Permit Application. The Current Conditions Report (CCR) and Corrective Measures Study (CMS) described in Permit Section 12B identified closed pre-regulation landfill Trenches 1 through 9 as sources of organic vapor releases to soils beneath the site and which were grounds for requiring the Permittee to maintain a Groundwater Compliance Monitoring Program. In response to the organic vapors, the Permittee is required to maintain the Soil Vapor Extraction (SVE) system, as described in Permit Application Section 13 (Environmental Monitoring Plan) and Permit Section 12B.

As of the issuance of this Permit, there have been no Statistically Significant Increases (SSI) in the Groundwater Detection Monitoring (Permit Section 10) identified with a release from the RCRA-permitted units which would require additional compliance monitoring.

11.1. WELL LOCATION, INSTALLATION AND CONSTRUCTION

The Permittee shall maintain the groundwater monitoring system described in Permit Section 10, with the changes and/or additional conditions described in this section of the Permit.

11.2. GROUNDWATER PROTECTION STANDARD

11.2.1. The Permittee shall monitor the groundwater to determine whether the SWMUs[i] are in compliance with the established Groundwater Protection Standard (GWPS) values listed in Table 11.2, below; to determine the effectiveness of the corrective action activities at the facility, as required in Permit Section 12B; and to determine the extent of impacts to the groundwater.
[40 CFR 264.92 and 264.99(a)

11.2.2. The Permittee shall continue to monitor all wells listed in Table 10.2 at the point of compliance, as described in Permit Section 10, until the Director relieves the Permittee of Permit Condition 11.2. *[40 CFR 264.95 and 264.99(a)]*

11.2.2.1. If the Permittee is conducting corrective action at the end of this Permit life, then the compliance period shall be extended until the Permittee demonstrates that the GWPS has not been exceeded for at least three (3) consecutive years at all point of compliance wells or until the Permittee is relieved of the requirements of this Section. *[40 CFR 264.96(c)]*

11.2.3. The Permittee shall monitor all the groundwater in the Point of Compliance (POC) wells listed in Table 10.2 for the hazardous constituents listed in Table 11.2, as designated in Section 13 of the Permit Application, until the Director relieves the Permittee of Permit Condition 11.2.
[40 CFR 264.99(a)]

[i] The SWMUs this Section currently applies to are the closed landfills Trenches 1 through 9.

Table 11.2

	Monitored Groundwater Constituents [Indicators of Contamination]	GWPS [ii] [mg/L]
1	Carbon Tetrachloride	0.005
2	Chloroform	0.005
3	Trichlorofluoromethane	0.005
4	Tetrachloroethene	0.005
5	Toluene	0.005
6	Trichloroethene	0.005

11.3. SAMPLING AND ANALYSIS PROCEDURES

11.3.1. The Permittee shall use the techniques and procedures described in Permit Conditions 10.3 and 10.4 when obtaining and analyzing samples from the groundwater monitoring wells.
[40 CFR 264.97(d) and (e)]

11.3.2. All wells in Table 10.2 shall be sampled at least quarterly for the parameters and constituents listed in Table 10.3A (except for Nitrate, which will be sampled for annually[iii]); and sampled annually for the constituents listed in Table 10.3B. Wells[iv] MW-001, MW-002, MW-313, MW-319, MW-320, MW-322, MW-324, MW-325, MW-326 and MW-327 shall be sampled biannually for the radioisotopes listed in Table 10.3C. *[40 CFR 264.99(f)]*

11.3.3. The Point of Compliance (POC) wells listed in Table 10.2 shall be sampled at least quarterly for the parameters and constituents listed in Table 11.2. *[40 CFR 264.99(f)]*

11.3.4. The POC wells listed in Table 10.2 shall be sampled at least annually for the following constituents in Appendix IX of 40 CFR 264[v].

1. Volatile and semi-volatile compounds;
2. Metals and inorganics;
3. Pesticides;
4. Herbicides; and
5. PCBs.

11.4. ELEVATION OF THE GROUNDWATER SURFACE

The Permittee shall determine the groundwater surface elevation at each monitoring well, as

[ii] These GWPS values are from the CMS Workplan (2/8/1999) provided as Appendix 13-F in the RCRA Permit Application.
[iii] The sampling frequency for nitrate has been reduced to annual based on past results and due to the 24 hour hold time that limits when samples can be collected.
[iv] USEN requested that only the background wells and wells down gradient from the Low-Level Radioactive Waste (LLRW) site be sampled for the radioisotopes.
[v] The Schedule must make sure that specific wells are sampled for Appendix IX constituents in the same quarter each year (i.e. if Well 325 is sampled for Appendix IX constituents in the 1st Quarter of 2019, then it will be resampled again in 1st Quarter of each year). This will help prevent natural seasonal changes from causing SSI's.

described in Permit Condition 10.5. *[40 CFR 264.97(f)]*

11.5. STATISTICAL PROCEDURES

The Permittee shall use the statistical procedures described in Permit Condition 10.7.

11.6. MONITORING PROGRAM AND DATA EVALUATION

The Permittee shall determine groundwater quality as follows:

11.6.1. The Permittee shall collect, preserve, and analyze groundwater samples pursuant to Permit Section 10 and the following.

11.6.2. The Permittee shall determine if the constituents listed in Table 11.2 are detected in the POC groundwater monitoring wells listed in Table 10.2 at larger concentrations than the listed GWPS values.

11.6.3. The Permittee shall analyze samples from all monitoring wells in accord with Permit Condition 11.3, and their concentrations shall be reported to the Director in accord with Permit Condition 11.7.

11.7. REPORTING AND RECORDKEEPING

11.7.1. The Permittee shall enter all monitoring, testing, and analytical data obtained pursuant to Permit Condition 11.3 in the operating record. The data must include all computations, calculated means, variances, and results of statistical tests.

11.7.2. The Permittee shall report the results of all sampling conducted pursuant to Permit Condition 11.3 in the reports required by Permit Condition 10.8.2.

11.8. SPECIAL REQUIREMENTS IF THE GWPS IS EXCEEDED

If the GWPS has been exceeded at any monitoring well at the point of compliance, and the constituent and specific monitoring well exceeding the GWPS are not already being addressed by Permit Section 12A, the Permittee must:

11.8.1. Notify the Director of this finding in writing within seven (7) days. The notification must indicate what concentration limits have been exceeded. *[40 CFR 264.99(h)(1)]*

11.8.2. The Permittee may make a demonstration that the GWPS exceedance was due to source(s) other than a regulated unit or errors in sampling, analysis or evaluation. *[40 CFR 264.99(i)]*

In such cases, the Permittee shall:

11.8.2.1. Notify the Director in writing within seven (7) days of determining the GWPS exceedance that the Permittee intends to make such a demonstration; *[40 CFR 264.99(i)(1)]*

11.8.2.2. Within ninety (90) days, submit a report to the Director which demonstrates that a source other than a regulated unit caused the GWPS to be exceeded or that the exceedance resulted from

error in sampling, analysis or evaluation; *[40 CFR 264.99(i)(2)]*

11.8.2.3. Within ninety (90) days, submit to the Director an application for a permit modification to make any appropriate changes to the compliance monitoring program at the facility; and *[40 CFR 264.99(i)(3)]*

11.8.2.4. Continue to monitor in accordance with the compliance monitoring program established under this section. *[40 CFR 264.99(i)(4)]*

11.8.3. If the Permittee does not submit the required documentation under Permit Condition 11.8.2, then the Permittee shall submit to the Director, within 180 days, an application for a permit modification to establish a corrective action program meeting the requirements of 40 CFR 264.100. *[40 CFR 264.99(h)(2)]*

The application must include the following information:

11.8.3.1. A detailed description of corrective actions that will achieve compliance with the GWPS specified in Permit Condition 11.2. *[40 CFR 264.99(h)(2)(i)]*

11.8.3.2. A plan for a groundwater monitoring program that will demonstrate the effectiveness of the corrective action. Such a groundwater monitoring program may be based on a compliance monitoring program developed to meet the requirements of this permit section.

11.9. REQUEST FOR PERMIT MODIFICATION

If the Permittee or the Director determines that the Groundwater Compliance Monitoring program no longer satisfies the regulator requirements of 40 CFR 264.99, then the Permittee must submit an application for a permit modification within ninety (90) days of the determination to make appropriate changes to the program which will satisfy the regulations. *[40 CFR 264.99(j)]*

11.10. COMPLIANCE SCHEDULE

Task		Date Due
1	*Reserved*	

12A SUMMARY

This section of the Permit applies to the hazardous waste "regulated units"[i] at the facility. Specifically, this section applies to Trench 11, Trench 12 and Trench 13. The corrective action for units which operated prior to the implementation of RCRA regulations is covered in Permit Section 12B. The Groundwater Detection Monitoring Program set forth in Permit Section 10 will be used to determine whether a release from the regulated unit(s) has occurred. In the event it is determined that a release has occurred from a regulated unit, the Permittee will be required to prepare and implement a Corrective Action Program that satisfies the requirements of 40 CFR 264.100. As of the issuance of this Permit, there has been no identification of corrective action required at Trench 11, Trench 12 or Trench 13.

Any document submitted in support of a Corrective Action Program required under this part shall be adopted by reference as if fully set forth herein.

12A.1 GROUNDWATER WELL LOCATION, INSTALLATION AND CONSTRUCTION

The Permittee shall continue to maintain the groundwater monitoring system described in Permit Section 10, as required by 40 CFR 264.100(d), with the changes and/or additional conditions described Section 11 and this section of the Permit.

12A.1.1 The Permittee shall install and maintain additional groundwater monitoring wells at the locations specified below: *[40 CFR 264.100(a)(3) and (d)]*

TABLE 12A.1

	Monitoring Well Identification	Location
1	*Reserved*	*Reserved*
2		

12A.1.2 The Permittee shall construct and maintain the monitoring wells identified in Table 12A.1, in accordance with the plans and specifications meeting the requirements of 40 CFR 264.97(c). The plans and specifications shall consist of design drawings and design criteria applicable to all wells, as well as individual well specifications identifying depth and location of screened intervals. *[40 CFR 264.100(d)]*

12A.1.3 All wells deleted from the monitoring program shall be plugged and abandoned in accordance with Permit Condition 10.2.3. Well plugging and abandonment methods and certification shall be submitted to the Director within sixty (60) days from the date the wells are removed from the monitoring program.

[i] A "regulated unit" is defined in 40 CFR 264.90(a)(2) as "a surface impoundment, waste pile, and land treatment unit or landfill that receives hazardous waste after July 26, 1982

12A.2 GROUNDWATER PROTECTION STANDARD

12A.2.1 The Permittee shall implement a corrective action program to demonstrate effectiveness of the corrective measures being taken and determine whether regulated units are in compliance with the established Groundwater Protection Standard (GWPS) values listed in Table 10.3A, 10.3B, 10.3C and 11.2. *[40 CFR 264.100(d)]*

12A.2.2 The Permittee shall continue to monitor all wells listed in Table 10.2 at the point of compliance, as described in Permit Section 10, during the compliance period[ii].
[40 CFR 264.95 and 264.100(d)]

12A.2.3 The Permittee shall continue to monitor the groundwater in the background and POC wells listed in Table 10.2 for the respective hazardous constituents listed in Table 11.2, during the compliance period. *[40 CFR 264.100(d)]*

12A.2.4 The Permittee shall monitor the wells identified in Table 12A.1 and at the point-of-compliance, and any wells between the point-of-compliance and the facility boundary for the hazardous constituents listed in Table 12A.2, during the compliance period.
[40 CFR 264.93, 264.95 and 264.100(d)]

TABLE 12A.2 – Treatment Effectiveness

	Parameter or Constituent	GWPS [mg/L]
1	*Reserved*	*Reserved*
2		

12A.3 CORRECTIVE ACTION PROGRAM

12A.3.1 The Permittee shall submit the following documents within 180 days of a confirmed exceedance of the GWPS of Permit Sections 10 and 11, in a manner consistent with establishing a timely Corrective Action Program:

1. A Corrective Measures Study (CMS), as described in Permit Condition 12B.5.3; and
2. Any other documents, as required by the Division.

12A.3.2 The Permittee shall begin corrective action within a period specified by the Director from the time the GWPS was exceeded. *[40 CFR 264.100(c)]*

12A.3.3 The Permittee shall implement a corrective action program that prevents hazardous constituents from exceeding their respective concentration limits (as required under Permit Condition 12A.3.1) at the compliance point by removing the hazardous waste constituents or by treating them in place. *[40 CFR 264.100(b)]*

12A.3.4 In conjunction with the corrective action program, the Permittee shall continue the

[ii] The Compliance Period begins when the Permittee initiates a compliance monitoring program and continues for the active life of the facility.

Groundwater Compliance Monitoring Program described in Permit Section 11. This monitoring program shall determine both compliance with the GWPS and the success of the corrective action program required under Permit Condition 12A.3.5. *[40 CFR 264.100(d)]*

12A.3.5 The Permittee shall conduct a corrective action program to remove or treat in place any hazardous constituents that exceed GWPS limits in groundwater between the compliance point and the downgradient facility property boundary and beyond the facility boundary[iii], where necessary to protect human health and the environment, in accordance with corrective action procedures approved by the Director. *[40 CFR 264.100(e)]*

12A.3.6 If the GWPS is met during the compliance period, the Permittee shall continue corrective action to the extent necessary to ensure that the GWPS is not exceeded. If corrective action is required beyond the compliance period, it must continue until the GWPS has not been exceeded for three (3) consecutive years. *[40 CFR 264.100(f)]*

12A.4 SAMPLING AND ANALYSIS PROCEDURES

12A.4.1 The Permittee shall follow the techniques and procedures described in Permit Conditions 10.3 and 10.4 when obtaining and analyzing samples from the groundwater monitoring wells described in Permit Condition 12A.1. *[40 CFR 264.97(d) and (e)]*

12A.4.2 The Permittee shall continue to monitor all wells in Table 10.2 at the point of compliance as described in Section 10. *[40 CFR 264.99(f)]*

12A.4.3 The wells identified in Table 12A.1 and at the point of compliance, and any wells located between the point of compliance and the facility boundary shall be sampled at least quarterly for the parameters and constituents listed in Table 12A.2.

12A.4.4 The Permittee must annually analyze samples from the background well(s) and wells determined to be within or downgradient from the Area of Concern, for constituents listed in Appendix IX of 40 CFR 264 which could possibly be present but are not already being monitored for. This shall continue during the compliance period. *[4- CFR 264.99(g)]*

12A.5 ELEVATION OF THE GROUNDWATER SURFACE

The Permittee shall determine the groundwater surface elevation at each monitoring well, as described in Permit Condition 10.5. *[40 CFR 264.97(f)]*

12A.6 STATISTICAL PROCEDURES

12A.6.1 When evaluating the monitoring results to determine the performance of corrective action measures, in accordance with Permit Condition 12A.7, the Permittee shall use the statistical

[iii] The Permittee may demonstrate that, despite the Permittee's best efforts, the Permittee was unable to obtain the necessary permission to undertake corrective action beyond the facility boundary. These will be handled on a case-by-case basis as described in 40 CFR 264.100(e)(2).

procedures described in Permit Condition 10.7 or other procedures approved by the Director.

12A.7 MONITORING PROGRAM AND DATA EVALUATION

The Permittee shall establish and implement a groundwater monitoring program to demonstrate the effectiveness of the corrective action program. Groundwater monitoring shall be conducted as the program for compliance monitoring under 40 CFR 264.97 and 40 CFR 264.99. The Permittee shall determine groundwater quality as follows:

12A.7.1 The Permittee shall collect, preserve and analyze samples in accordance with Permit Section 10.

12A.7.2 The Permittee shall determine the concentrations of the hazardous parameters and constituents specified in Permit Condition 12A.2, throughout the compliance period and any extensions due to corrective action implementation, to demonstrate conformance with the GWPS. *[40 CFR 264.96]*

12A.7.3 The Permittee shall determine the concentration of hazardous parameters and constituents in groundwater at each monitoring well at the compliance point in accord with Permit Condition 12A.4, and their concentrations shall be reported to the Director in accord with Permit Condition 12A.8. *[40 CFR 264.100(d)]*

12A.7.4 The Permittee shall analyze samples from all monitoring wells at the compliance point for all constituents contained in 40 CFR 264, Appendix IX (excluding dioxin/furans) at least once every year to determine if additional hazardous constituents are present in the uppermost aquifer. If the Permittee finds additional hazardous constituents present (i.e. not already listed in Permit Sections 10, 11 or 12), their concentrations shall be reported to the Director in writing within seven (7) days from completion of the analysis.

12A.7.5 The Permittee shall determine the groundwater flow rate and direction in the uppermost aquifer at least annually. *[40 CFR 264.99(e)]*

12A.7.6 The Permittee shall statistically compare the measured concentration of each monitored hazardous constituent with its concentration limit specified in the GWPS each time groundwater quality is determined, in accordance with Permit Condition 12A.7.2. The Permittee must compare the groundwater quality measured at each point of the compliance monitoring well and any other specified wells, as stated in Permit Condition 12A.2 and in accordance with the procedures specified in Permit Condition 12A.6.

12A.8 RECORDKEEPING AND REPORTING

12A.8.1 The Permittee shall enter all monitoring, testing and analytical data obtained, according to Permit Condition 12A.7, in the operating record. The data must include all computations, calculated means, variances, and results of the statistical test(s) that the Director has specified. *[40 CFR 264.73(b)(6)]*

12A.8.2 The Permittee shall submit semi-annual reports to the Director describing the effectiveness of the corrective action program. The report shall include graphical representations of the constituents in Table 12A.2. These reports shall be submitted with the Bi-Annual Reports (see Section 10.8), and include the analytical results. These reports shall be submitted until the corrective action program has been completed. *[40 CFR 264.100(g)]*

12A.9 REQUEST FOR PERMIT MODIFICATION

If the Permittee or the Director determines that the corrective action program no longer satisfies the regulatory requirements of this Section of the Permit, then the Permittee must submit, within ninety (90) days, an application for a permit modification to make appropriate changes to the program. *[40 CFR 264.100(h)]*

12A.10 COMPLIANCE SCHEDULE

The Permittee shall perform the following task(s) by the listed due date(s):

	Task	Date Due
1	*Reserved*	

12B SUMMARY AND APPLICABILITY

The objective of the corrective action program at a permitted hazardous waste management facility is to evaluate the nature and extent of releases of hazardous waste and/or constituents and, if necessary, implement corrective measures to clean-up the releases and protect human health and the environment. The Permittee is required to implement corrective action in accordance with 40 CFR 264.100, 264.101 and the conditions of this Permit. The Permittee shall follow applicable guidance, including but not limited to the RCRA Corrective Action Plan, EPA 520-R-94-004, dated May 1994 (or most recent version).

The Permittee shall conduct the following Corrective Actions for release(s) from Solid Waste Management Units (SWMUs), including the formerly used disposal areas (Trench 1 through Trench 10).

12B.1 AUTHORITY

RCRA Section 3004(u) and 40 CFR 264.101, as adopted in NAC 444.8632, require that all hazardous waste permits issued by the Director address corrective action for releases of hazardous waste or hazardous constituents from any Solid Waste Management Unit (SWMU) at the facility, regardless of when the waste was placed in the unit or whether the unit is closed. These regulations further require that hazardous waste permits contain schedules of compliance for corrective action, where such corrective action cannot be completed prior to issuance of the permit. NAC 445A.121 sets standards applicable to all waters of the state and will be used to evaluate the impacts of releases. NRS 445A.575 and 445A.465 are the statutes which define the authority of the Director to regulate the discharge of hazardous constituents to the waters of the state. Section 301(c) of the Federal Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) defines the area under the facility to be natural resources managed or controlled by the State of Nevada.

12B.2 SUMMARY AND HISTORY OF CORRECTIVE ACTION

12B.2.1 The RCRA Permit issued July 24, 1988 contained requirements for the Permittee to conduct a RCRA Facility Investigation (RFI) based on the findings of the RCRA Facility Assessment (RFA) conducted by Jacobs Engineering Group Inc., April 1987, under contract to EPA Region IX. The RFA originally identified six (6) Solid Waste Management Units (SWMUs). The Permit combined site characterization and groundwater monitoring well installation in the RFI process and the early work centered on site characterization. On August 20, 1990, the Permittee submitted an RFI Workplan designed to investigate the potential for a release from the SWMUs, to meet the requirements of the Permit and comments by EPA and NDEP. The RFI Workplan was approved by EPA on September 20, 1990. An RFI report, which details the results of the approved RFI Workplan was submitted by the Permittee on April 13, 1992. The corrective action objectives (*in italics*) and any related activities and/or documents submitted, to date, are identified below:

1. *Evaluate all data collected, to date, and develop a site conceptual model* – Data was used to prepare the Current Conditions Report (September 30, 1998), and Corrective Measures Study Report (April 4, 2003).

2. *Develop a new RFI Workplan, if necessary, to determine fully the nature and extent of any release of hazardous waste and/or hazardous constituents at or from the Facility* – The RFI Workplan submitted on November 20 1998 was accepted and a new workplan was not required.
3. *Determine the impact to human health and the environment due to the release of hazardous constituents at the Facility* – The Current Conditions Report submitted on September 30, 1998 and the Corrective Measures Study Report submitted on April 4, 2003 addressed this.
4. *Perform a Corrective Measure Study (CMS) to identify and evaluate alternatives for the corrective action necessary to prevent, mitigate and/or remediate any releases of hazardous wastes or hazardous constituents at or from the Facility* – The CMS was conducted and the resulting report was submitted on April 4, 2003.
5. *Implement the corrective measure(s), if required by the NDEP, at the Facility* – The Phase I SVE well installed in March 1999, has been maintained and continues to operate.
6. *Perform any other activities necessary to correct actual or potential threats to human health and/or the environment resulting from the release or potential release of hazardous waste or hazardous constituents at the Facility* – No specific activities have been identified or implemented.

Units identified as SWMUs are in the April 1987 RFA. The April 1987 Jacobs Engineering Group, RFA contains additional information on each SWMU listed. The August 20, 1990 RFI Workplan was designed to determine the source and the lateral and vertical extent of any release from each of these SWMUs. The RFI report and subsequent sampling events in the vadose zone monitoring points clearly show there has been a release of gaseous contaminants to the subsurface. The Interim Measures Plan contained in this Permit confirmed the transferal of gaseous contaminants to groundwater. The Permittee has implemented the CMS Implementation plan, dated March 24 1994, that was submitted for the PCB Draining and Flushing Area.

The Permittee has previously submitted documentation in support of Corrective Action activities at the facility and these are listed below. Refer to Permit Condition 12B.3 for required corrective action. The Director has approved the Corrective Measures Study Report and all prior documents.

12B.2.2 Previously submitted documents in support of the Corrective Action activities at the facility include:

1. Current Conditions Report (CCR) – September 1998
2. RCRA Facility Investigation (RFI) Workplan – November 1998
3. RCRA Facility Investigation (RFI) Report – December 1998
4. Corrective Measures Study (CMS) Workplan – February 1999
5. Evaluation of Groundwater and Vadose zone Monitoring Network – November 2000
6. Recommendations for SVE Well Placement as a part of Corrective Measures Study (CMS) Report – December 2002
7. Corrective Measures Study (CMS) Report – April 2003
8. Well Abandonment and Installation Report – August 2003

9. Soil Vapor Extraction (SVE) Well Installation and Corrective Measures Implementation (CMI) Project – May 2004
10. Corrective Measures Implementation (CMI) Plan – October 2005
11. Soil Vapor Extraction (SVE) System Performance Letter – June 2016
12. Corrective Measures Study (CMS) Evaluation Report – June 2018
13. Soil Vapor Extraction (SVE) Design Test Workplan – November 2018

12B.3 CORRECTIVE ACTION FOR SWMU AND AOC

The Permittee must institute corrective action, as necessary, to protect human health and the environment for all releases of hazardous waste or constituents from any SWMU at the facility, regardless of the time at which waste was placed in the unit.

Corrective action shall be specified in accordance with this permit section. This section will contain schedules of compliance for such corrective action.

12.B.3.1 SWMUs and AOCs Identified by the RFA

The initial RCRA Facility Assessment (RFA) [April 1987], subsequent investigations, and other means have identified the SWMUs and areas of concern (AOCs) at the facility. The current SWMUs and AOCs are listed in Tables 12B.3A through 12B.3G, below.[i]

Table 12B.3A – SWMUs/AOCs Regulated under 40 CFR 264 (RCRA-regulated units)

SWMU/AOC No.	SWMU/AOC Name
1-9	Trench 1 through Trench 9
11	CMU 1 – PCB/RCRA Container Storage
12	CMU 6 – Dry Hazardous Waste Storage Area 2 (DHWSA #2)
13	CMU 7 – Container Storage
14	CMU 16 – Container Storage
15	CMU 17 – Dry Hazardous Waste Storage Area 3 (DHWSA #3)
16	Tank 4 through Tank 7 – PCB Storage[ii]
18	Treatment Tanks 2 & 3[iii]
19	Treatment Tanks 18 & 19
20	Evaporation Tank – Truck Wash Pad (Tank 11)
21	Tank 20 (Main Laboratory)
22	Tank 22 (Satellite Laboratory)
23	CMU 19 – Container Storage
RCRA 1	Trench 10

[i] Table 12B.3A through 12B.3F show the status of the SWMUs and AOCs at the time this permit was issued.
[ii] Tank 8 was closed and removed.
[iii] Treatment Tank 1 was closed and removed in 2017.

SWMU/AOC No.	SWMU/AOC Name
RCRA 2	Trench 11
RCRA 3	Trench 12
RCRA 4	Trench 13
Reserved	*Reserved*

Table 12B.3B – SWMUs and AOCs Requiring No Further Action at this Time

SWMU/AOC No.	SWMU/AOC Name
NFA 1	The "Terminator"
NFA 2	WCSA 1
NFA 3	WCSA 2
NFA 4	DHWSA 1
10	Low Temperature Thermal Desorption (LTTD) System – CLOSED
17	Tank 15 – Leachate Storage - CLOSED
Reserved	*Reserved*

Table 12B.3C – SWMUs and AOCs Requiring a RCRA Facility Investigation (RFI)

SWMU/AOC No.	SWMU/AOC Name
Reserved	*Reserved*

Table 12B.3D – SWMUs and AOCs Requiring a Corrective Measures Study

SWMU/AOC No.	SWMU/AOC Name
Reserved	*Reserved*

Table 12B.3E – SWMUs and AOCs Requiring a Corrective Measures Implementation Plan

SWMU/AOC No.	SWMU/AOC Name
1-9	Trench 1 through Trench 9
RCRA 1	Trench 10
Reserved	*Reserved*

Table 12B.3F – SWMUs and AOCs in Corrective Action

SWMU/AOC No.	SWMU/AOC Name
1-9	Trench 1 through Trench 9
RCRA 1	Trench 10
Reserved	*Reserved*

Table 12B.3G – SWMUs and AOCs Requiring Land Use Controls

SWMU/AOC No.	SWMU/AOC Name
1-9	Trench 1 through Trench 9
RCRA 1	Trench 10
RCRA 2	Trench 11
RCRA 3	Trench 12
RCRA 4	Trench 13
Reserved	*Reserved*

12.B.3.2 Additional SWMUs or AOCs

Additional SWMUs or AOCs may be discovered during the course of groundwater monitoring, soil monitoring, field investigations, environmental audits, releases or other means.

12.B.3.3 Contamination Beyond Facility Boundary

The Permittee shall implement corrective actions beyond the facility boundary where necessary to protect human health and the environment, unless the Permittee demonstrates to the satisfaction of the Director that, despite the Permittee's best efforts, as determined by the Director, the Permittee was unable to obtain the necessary permission to undertake such actions. The Permittee is not relieved of responsibility to clean up a release that has migrated beyond the facility boundary where off-site access is denied. On-site measures to address such releases will be determined on a case-by-case basis. Assurances of financial responsibility for completion of such off-site corrective action will be required.

12B.4 NOTIFICATION and ASSESSMENT REQUIREMENTS for NEWLY IDENTIFIED SWMUS and AOCS

12.B.4.1 Notification

The Permittee shall notify the Director in writing, within fifteen (15) calendar days of discovery, of any additional SWMUs, AOCs and/or releases of hazardous waste discovered under Permit Condition 12.B.3.2. The notification shall include, at a minimum:

1. A unique sequential identification number for the SWMU or AOC;
2. The location of the SWMU or AOC; and
3. All available information pertaining to the nature of the release (e.g., media affected, hazardous constituents released, magnitude of release, etc.).

12.B.4.2 Assessment Report (AR)

The Permittee shall prepare and submit to the Director, within ninety (90) calendar days of notification, an Assessment Report (AR) for each SWMU, AOC, or release identified under Permit Condition 12.B.3.2. At a minimum, the AR shall provide the following information:

1. The unique sequential identification for the SWMU, AOC or release;
2. Location of unit(s)/area(s) on a topographic map of appropriate scale, such as required under 40 CFR 270.14(b)(19):

3. Designation of type and function of unit(s) and/or use of area(s);
4. General dimensions, capacities and structural description of unit(s)/area(s) (supply any available plans/drawings);
5. Dates the unit(s)/area(s) was operated/used;
6. Specification of all wastes that have been managed at/in the unit(s)/area(s) to the extent available. Include any available data on 40 CFR Part 261, Appendix VIII or 40 CFR Part 264 Appendix IX constituents contained in the wastes; and
7. All available information pertaining to any release of hazardous waste or hazardous constituents from such unit(s)/area(s) (including groundwater, soil, air, surface water, and/or sediment data).

12.B.4.3 Director's Determination

The Director shall determine the need for further investigations at the SWMUs, AOCs, or release site(s) covered in the AR. If the Director determines that such investigations are needed, the Permittee shall prepare a plan for such investigations. If the Director determines further investigation of the SWMU(s), AOC(s) or release site(s) is required, the Permittee shall submit an application for a Permit modification in accordance with 40 CFR Part 270 Subpart D.

12B.5 WORK TO BE PERFORMED

In the event of a release of a hazardous waste or constituent, or a requirement for conducting corrective action by way of the Division, the Permittee shall complete the following:

12.B.5.1 RCRA Facility Assessment (RFA)

The Permittee shall complete a RCRA Facility Assessment (RFA) identifying the type of hazardous waste or constituents released, the location of the release, and any potential pathways. The Permittee shall submit this information to the Division in a written report.

12.B.5.2 RCRA Facility Investigation (RFI)

The Permittee shall complete a RCRA Facility Investigation (RFI) characterizing the nature and extent of the release identified in the RFA. This information will be submitted to the Division in a written report.

12.B.5.3 Corrective Measures Study (CMS)

If the Division determines that a corrective action is necessary, the Permittee shall conduct a Corrective Measures Study (CMS) to determine the most effective cleanup alternative. The purpose of the CMS is to identify and recommend specific corrective measures that will adequately correct the release. Remedy selection is the determination of which cleanup action will be implemented to correct the release and the time frames in which it must be implemented. The Permittee shall submit this information to the Division in a written report.

12.B.5.4 Corrective Measures Implementation (CMI)

After the Division evaluates the corrective measure alternatives presented in the approved CMS Report, the Division will propose or accept a corrective measure (or measures) for

implementation at the facility. The Permittee shall submit a certified report documenting that the corrective measures have been completed in accordance with the approved remedy.

[40 CFR 264.100(c)]

12B.6 DESCRIPTIONS OF SWMUS AND AOCS

The intended action and status for the following SWMUs and AOCs can be found in Tables 12B.3A through 12B.3G.

12.B.6.1 Trenches 1 through 9 (1 – 9)

Trenches 1 through 9 are inactive Pre-RCRA chemical disposal trenches located to the east of Trench 11 and underneath CMUs #1 and 6. These trenches accepted waste for disposal from 1971 to 1982. A RCRA Facility Investigation (RFI) Report (1998) identified Trenches 1-9 as probably causes of groundwater and soil gas contamination. The Soil Vapor Extraction (SVE) system is being used as corrective measures to reduce this contamination.

12.B.6.2 Trench 10 (RCRA 1)

Trench 10 is an inactive chemical and PCB disposal trench located to the east of Trench 11 and underneath CMU #17. This trench accepted waste for disposal from 1980 to ~1991. It was certified as being closed in 1997. Like Trenches 1 - 9, a 1998 RFI Report identified Trench 10 as a probable cause of groundwater and soil gas contamination. The Soil Vapor Extraction (SVE) system is being used as corrective measures to reduce this contamination.

12.B.6.3 Trench 11 (RCRA 2)

Trench 11 is an inactive RCRA hazardous waste and PCB disposal trench located between the active Trench 12 and the closed Trench 10. This trench accepted waste for disposal from 1983 to 2013. Post-closure leachate and lysimeter monitoring is continuing as part of the facility's environmental monitoring plan.

12.B.6.4 The "Terminator" (NFA 1)

The "Terminator" was a flow through stabilization treatment system which treated bulk hazardous waste to immobilize the hazardous constituents and meet the Land Disposal Restriction (LDR) of 40 CFR 268. The unit was located in an area to the southeast of the current PCB/RCRA Container Storage Area and was permitted as a miscellaneous Subpart X unit which operated from 1993 to 1999. The "Terminator" is closed and no further action is required.

12.B.6.5 WCSA 1 (NFA 2)

WCSA 1, also known as CMU 3, was a Waste Consolidation and Storage Area located in about the same location as the current CMU 16 container storage area. This unit, which operated from 1954 to 2007, is closed and no further action is required.

12.B.6.6 WCSA 2 (NFA 3)

WCSA 2, also known as CMU 4, was a Waste Consolidation and Storage Area located just east of the current CMU 7 container storage area. This unit, which operated from 1954 to

2007, is closed and no further action is required.

12.B.6.7 DHWSA 1 (NFA 4)

DHWSA 1, also known as CMU 5, was a Dry Hazardous Waste Storage Area located in the current Trench 12 area. This unit, which operated from 1987 to 2010, is closed and no further action is required.

12.B.6.8 Low Temperature Thermal Desorption (LTTD) System (10)

The Low Temperature Thermal Desorption (LTTD) System was a distillation system used for the treatment of waste impacted by hazardous substances, petroleum products, volatile and semi-volatile compounds, chlorinated solvents, pesticides and other RCRA hazardous wastes. This unit was located where the "Terminator" had been, operated from 2001 to 2012, and is closed with no further action required.

12.B.6.9 Tank 15 – Leachate Storage (17)

Tank 15 was a storage tank located on the north side of the Stabilization Building. This tank was permitted to store leachate for up to ninety (90) days, prior to treatment and/or disposal. Tank 15 was used from 1997 to 2014. After closure, Tank 15 and its containment were removed and disposed in Trench 12. No further action is required.

12B.7 COMPLIANCE SCHEDULE

The Permittee shall perform the following task(s) by the listed due date(s):

	Task	Date Due
1	*Reserved*	

13. SUMMARY

This section of the Permit pertains to the post-closure care required for the RCRA hazardous waste landfills. Currently, this applies to the closed Trench 10 and Trench 11 and will apply to the currently operating Trench12 and Trench 13 when those units are closed. The post-closure care for Trench 12 and Trench 13 must begin after completion of closure of the unit, shall continue for 30 years after that date, and shall include monitoring, reporting and maintenance.

[40 CFR 264.117, 264.310]

13.1. UNIT IDENTIFICATION

The Permittee shall provide post-closure care for the following hazardous waste management units, subject to the terms and conditions of this Permit, and as described below:

Table 13.1

Type of Waste Unit		Unit Description	Max Waste Inventory	Waste Description	Date of Certification of Closure
1	Landfill	Trench 10	~824,638 yd^3	Various	8/8/97
2	Landfill	Trench 11	~$2.36*10^6$ yd^3	RCRA and TSCA	2/27/2014
3	Landfill	Trench 12	~$1.66*10^6$ yd^3	RCRA and TSCA	*N/A*
4	Landfill	Trench 13	~$8.6*10^6$ yd^3	RCRA and TSCA	*N/A*
5	*Landfill*	*Reserved*		*Reserved*	

13.2. POST-CLOSURE PROCEDURES AND USE OF PROPERTY

13.2.1. The Permittee shall conduct post-closure care for each hazardous waste management unit listed in Table 13.1, above, to begin after completion of closure of the unit and continue for 30 years after the date of closure of the last unit listed above. The 30-year post-closure care period may be shortened upon application and demonstration approved by the Director that the facility is secure, or may be extended by the Director if he finds this is necessary to protect human health and the environment. *[40 CFR 264.117(a)]*

13.2.2. The Permittee shall maintain the groundwater monitoring system as required by Permit Sections 10, 11 and 12A and comply with all other applicable requirements of 40 CFR Part 264 Subpart F during the post-closure period. *[40 CFR 264.117(a)(1)]*

13.2.3. The Permittee shall comply with the requirements of 40 CFR 264.310(b) for landfills as follows:

13.2.3.1. The Permittee shall comply with the post-closure requirements of Permit Application Section 17;

13.2.3.2. Maintain the integrity and effectiveness of the final cover, including making repairs to the cap, as necessary, to correct the effects of settling, subsidence, erosion, or other events;

13.2.3.3. Continue to operate the leachate collection and removal system until leachate is no longer present;

13.2.3.4. Maintain and monitor the leak detection system in accord with 40 CFR 264.301(c)(3)(iv) and (4) and 264.303(c), and comply with all other applicable leak detection system requirements;

13.2.3.5. Maintain and monitor the groundwater monitoring system and comply with all other applicable requirements of 40 CFR Subpart F;

13.2.3.6. Prevent run-on and run-off from eroding or otherwise damaging the final cover; and

13.2.3.7. Protect and maintain surveyed benchmarks used in complying with the surveying and recordkeeping requirements of 40 CFR 264.309.

13.2.4. The Permittee shall annually survey the elevation of the closure caps to verify the cap is not eroding or otherwise compromised and submit the results to the Director. The results shall be submitted with the annual report described in Permit Condition 2.12.4.

13.2.5. The Permittee shall comply with all security requirements, preventing access to closed units, as specified in Sections 4 and 17 of the Permit Application. *[40 CFR 264.117(b)]*

13.2.6. The Permittee shall not allow any use of the units designated in Permit Condition 13.1 which will disturb the integrity of the final cover, liners, any components of the containment system, or the function of the facility's monitoring systems during the post-closure care period.

[40 CFR 264.117(c)]

13.3. INSPECTIONS

13.3.1. The Permittee shall inspect the components, structures, and equipment at the site (e.g. fences, gates, signs) in accordance with Section 17 of the Permit Application.

[40 CFR 264.117(a)(1)(ii) and 264.310(b)]

13.3.2. The Permittee shall inspect the cover system(s) for uniformity, drainage, and imperfections. Soil based covers must be inspected for imperfections including cracks, channels, root holes, or other structural non-uniformities that may cause an increase in the permeability of the cover.

13.3.3. The Permittee shall monitor moisture migration through the final cover system of Trench 11 using a lysimeter system in accordance with Permit Application Section 17 for a period of at least ten (10) years following initial installation of the lysimeter. Data from this monitoring will be used by the Director to assess the need for similar monitoring and/or design adjustments in the final covers of Trench 12 and Trench 13 after each trench closes.

13.4. NOTICES AND CERTIFICATION

13.4.1. No later than sixty (60) days after Certification of Closure of each permitted hazardous waste disposal unit, the Permittee shall submit to the Director a record of the type, location, and quantity of hazardous wastes disposed of within each cell or other disposal unit of the facility. For hazardous wastes disposed of before January 12, 1981, the Permittee shall identify the type, location, and quantity of the hazardous wastes to the best of his knowledge and in accordance with any records that have been kept. *[40 CFR 264.119(a)]*

13.4.2. Within sixty (60) days of Certification of Closure of the first and last hazardous waste disposal units, the Permittee shall: *[40 CFR 264.119(b)]*

13.4.2.1. Record, in accordance with Nevada law, a notation on the deed to the facility property or on some other instrument that is normally examined during the title search that will in perpetuity notify any potential purchaser of the property that:

1. The land has been used to manage hazardous wastes;
2. Its use is restricted under 40 CFR Part 264 Subpart G regulations; and
3. The survey plat and record of the type, location, and quantity of hazardous wastes disposed of within each cell or other hazardous waste disposal unit of the facility have been filed with the Director and the local zoning authority with jurisdiction over local land use.

13.4.2.2. Submit a certification to the Director, signed by the Permittee, that he has recorded the notation specified in Permit Condition 13.4.2.1, including a copy of the document in which the notation has been placed.

13.4.3. If the Permittee or any subsequent owner or operator of the land upon which the hazardous waste disposal unit is located wishes to remove hazardous wastes and hazardous waste residues, the liner, if any, or contaminated soils, then he shall request a modification to the Permit in accordance with the applicable requirements in 40 CFR Parts 124 and 270. The Permittee or any subsequent operator of the land shall demonstrate that the removal of hazardous wastes will satisfy the criteria of 40 CFR 264.117(c). *[40 CFR 264.119(c)]*

13.4.4. No later than sixty (60) days after completion of the established post-closure care period for each hazardous waste disposal unit, the Permittee shall submit to the Director, by registered mail, a certification that the post-closure care for the hazardous waste disposal unit was performed in accordance with the specifications in the approved Post-Closure Care Plan. The certification must be signed by the Permittee and an independent Nevada registered Professional Engineer. Documentation supporting the qualified Professional Engineer's certification must be furnished to the Director upon request until the Director releases the Permittee from the financial assurance requirements for post-closure care under 40 CFR 264.145(i). *[40 CFR 264.120]*

13.5. COST ESTIMATE FOR FACILITY POST-CLOSURE CARE

13.5.1. The Permittee must adjust the post-closure cost estimate for inflation no later than sixty (60) days prior to the anniversary of date of October 15th. *[40 CFR 264.144(b)]*

13.5.2. The Permittee must revise the post-closure cost estimate whenever there is a change in the facility's Post-Closure Care Plan, as required by 40 CFR 264.144(c) and 270 Subpart D.

13.5.3. The Permittee must keep at the facility the latest post-closure cost estimate.
[40 CFR 264.144(d)]

13.6. FINANCIAL ASSURANCE FOR FACILITY POST-CLOSURE CARE

The Permittee shall maintain financial assurance during the post-closure period, in compliance

with Permit Section 14 and Permit Application Section 18. *[40 CFR 264.145]*

13.6.1. The Permittee shall demonstrate to the Director that the value of the financial assurance mechanism exceeds the remaining cost of post-closure care, in order for the Director to approve a release of funds. *[40 CFR 264.145(a)(10)]*

13.6.2. The Permittee or any other person authorized to conduct post-closure care shall submit itemized bills to the Director when requesting reimbursement for post-closure care. *[40 CFR 264.145(a)(11)]*

13.6.3. In the event of a change in the post-closure cost estimate (see Permit Condition 13.5.3), the Permittee shall submit the change to the Director within sixty (60) days after the effective date of the change. Any required adjustments to the amount of financial assurance required shall be made after the post-closure cost estimate is revised.

13.7. POST-CLOSURE PERMIT MODIFICATIONS

The Permittee must request a permit modification to authorize a change in the approved Post-Closure Care Plan. This request must be in accordance with applicable requirements of Permit Condition 1.2, and must include a copy of the proposed amended Post-Closure Care Plan for approval by the Director. The Permittee shall request a permit modification whenever changes in operating plans or facility design affect the approved Post-Closure Care Plan, there is a change in the expected year of final closure, or other events occur during the active life of the facility that affect the approved Post-Closure Care Plan. The Permittee must submit a written request for a permit modification at least sixty (60) days prior to the proposed change in facility design or operation, or no later than sixty (60) days after an unexpected event has occurred which has affected the Post-Closure Care Plan. *[40 CFR 264.118(d)]*

13.8. COMPLIANCE SCHEDULE

Task		Date Due
1	*Reserved*	

14. SUMMARY

The Permittee shall comply with the Financial Assurance requirements of this section, and establish and/or maintain a funding mechanism(s) for the facility for Closure, Post-Closure and any required Corrective Action measures including an Insurance Policy to cover Sudden/Non-Sudden Liability for the facility. The facility is proposed to be closed with post-closure monitoring and care. As such, the required financial assurance must include a funding mechanism for the post-closure care and monitoring of the facility, in accordance with the Closure and Post-Closure Care Plans and State requirements.

14.1 APPLICABILITY

The property site is owned by the State of Nevada and is operated by American Ecology, Inc. as the Permittee, under an Operating Agreement with the State of Nevada. As such, the facility is exempt from complying with the 40 CFR Part 264 Subpart H requirements, except as provided otherwise in this Permit and the Agreement. Therefore, the Director has imposed alternative requirements for financial assurance set out in this Permit or in an enforceable document where the Director:

1. Prescribes requirements for the regulated unit(s) under 40 CFR 264.90(f), 40 CFR 264.101, and/or 40 CFR 264.110(c); and
2. Finds Nevada Administrative Code (NAC) 444.846 applies.

14.2 MODIFICATIONS

For changes or modifications to the facility that may affect financial assurance requirements, the Permittee shall comply with the requirements of Permit Condition 1.2.

14.3 FINANCIAL ASSURANCE FOR FACILITY CLOSURE, POST-CLOSURE AND CORRECTIVE ACTION

The Permittee shall demonstrate continuous compliance with 40 CFR 264.142, 264.143, 264.144, 264.145, and 264.146 by following the Financial Assurance procedures of Permit Application Section 18 and by providing documentation of financial assurance in at least the amount of the cost estimates required by Permit Conditions 14.4, 14.6 and 14.8. Any proposed changes in the financial assurance mechanisms must be approved by the Director pursuant to 40 CFR 264.143, 264.145 and 264.146 and in accordance with Permit Condition 1.2. The Permittee shall comply with both Permit Application Section 18 and the requirements of this section.

14.4 COST ESTIMATE FOR CLOSURE

The Permittee shall maintain a detailed written estimate, in current dollars, of the cost of closing the entire facility in accordance with the requirements of 40 CFR 264.111 through 40 CFR 264.115 and applicable closure requirements in 40 CFR 264.178, 264.197, 264.228, 264.258, 264.280, 264.310, 264.351, 264.601 through 264.603, and 264.1102. *[40 CFR 264.142(a)]*

14.4.1. The Closure Cost Estimate:

14.4.1.1. Shall equal the cost of final closure at the point in the facility's active life when the extent and

manner of its operation would make closure the most expensive, as indicated by the facility's Closure Plan (Permit Application Section 16); *[40 CFR 264.142(a)(1)]*

14.4.1.2. Shall be based on the costs of hiring a third party[i] to close the facility; the Permittee may use costs for on-site disposal if it can be demonstrated that on-site disposal capacity will exist at all times over the life of the facility; *[40 CFR 264.142(a)(2)]*

14.4.1.3. May not incorporate any salvage value that may be realized with the sale of hazardous wastes, or non-hazardous wastes if applicable under 40 CFR 264.113(d), facility structures or equipment, land, or other assets associated with the facility at the time of partial or final closure; and *[40 CFR 264.142(a)(3)]*

14.4.1.4. May not incorporate a zero cost for hazardous wastes, or non-hazardous wastes if applicable under 40 CFR 264.113(d), that might have economic value. *[40 CFR 264.142(a)(4)]*

14.4.2. Adjustment for Inflation

14.4.2.1. During the active life of the facility, the Permittee must annually adjust the closure cost estimate for inflation no later than sixty (60) days prior to the anniversary date of October 15th. The adjustment may be made by recalculating the maximum costs of closure in current dollars, or by using an inflation factor[ii] derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its *Survey of Current Business.* *[40 CFR 264.142(b)]*

14.4.2.2. During the active life of the facility, the Permittee shall revise the closure cost estimate no later than thirty (30) days after the Director has approved the request to modify the Closure Plan, if the change in the Closure Plan increases the cost of closure. The revised closure cost estimate must be adjusted for inflation as specified in Permit Condition 14.4.2.1.

[40 CFR 264.142(c)]

14.4.3. Documentation

The Permittee must keep the following at the facility during the operating life of the facility:

[40 CFR 264.142(d)]

1. The latest closure cost estimate prepared in accordance with Permit Condition 14.4.1; and,
2. When this estimate has been adjusted in accordance with Permit Condition 14.4.2, the latest adjusted closure cost estimate along with documentation of how the adjusted cost estimate was derived.

14.5 FINANCIAL ASSURANCE FOR CLOSURE

The Permittee shall establish and maintain financial assurance for closure of the facility in

[i] A third party is a party who is neither a parent nor a subsidiary of the Permittee (see definition of Parent Corporation in 40 CFR 264.141(d)).

[ii] The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year. Adjustment is made by multiplying the closure cost estimate for the previous year by the inflation factor.

accordance with Permit Application Sections 16 (Unscheduled Closure Plan) and 18 (Financial Assurance Mechanism). Any change in the financial assurance mechanism must be approved by the Director in accordance with Permit Condition 1.2.1.

14.5.1. Closure Fund

14.5.1.1. The Permittee shall satisfy the requirements of this section by establishing a closure fund to comply with NAC 444.846 which conforms to the requirements of this section. The specific wording of any agreement associated with the closure fund must be approved by the Director.

14.5.1.2. Payments into the fund must be made by the Permittee over the term of the RCRA permit or over the remaining operating life of the facility as estimated in the approved Closure Plan, whichever period is shorter and complies with the Director's requirements. This period is hereafter referred to as the "Pay-in Period". The payments into the closure fund shall be made as required by the Director.

14.5.1.3. If the Permittee establishes a closure fund and the value of that fund is less than the current closure cost estimate, the Permittee shall either submit payment into the fund or provide an alternative financial assurance instrument, as approved by the Director, to ensure coverage for the full amount of the current closure cost estimate.

14.5.1.4. The Permittee may accelerate payments into the fund or he may deposit the full amount of the current closure cost estimate at the time the fund is established or at any time thereafter.

14.5.1.5. Change in Closure Cost Estimate

14.5.1.5.1. Whenever the current closure cost estimate changes, the Permittee shall compare the new cost estimate with the most recent annual valuation of the closure fund. If the value of the closure fund is less than the amount of the new closure cost estimate, then the Permittee, within sixty (60) days after the change in the cost estimate, must either deposit an amount into the closure fund so that its value after this deposit equals the amount of the current closure cost estimate or obtain other financial assurance approved by the Director, as necessary, to cover the difference.

14.5.1.5.2. During the operating life of the facility, if the value of the closure fund is greater than the combined total amount of both the current closure cost estimate and the post-closure cost estimate, the Permittee may submit a written request to the Director for refund of the amount in excess of the current closure cost estimate. One written request for refund may be submitted each year, and such request shall be made within thirty (30) days after approval of the annual closure cost estimate update.

14.5.1.6. Release of Funds

Within sixty (60) days after receiving a request from the Permittee for release of funds, as specified in Permit Condition 14.5.1.5.2, the Director will provide a written response to the Permittee identifying the amount approved to be released from the closure fund.

14.5.1.7. Reimbursements

After beginning partial or final closure, the Permittee or another person authorized to conduct

partial or final closure may request reimbursements from the established closure fund for partial or final closure expenditures by submitting itemized bills to the Director. The Permittee shall request reimbursements for partial closure only if sufficient funds are remaining in the closure fund to cover the maximum costs of closing the facility over its remaining operating life and providing for post-closure care of the facility. Within sixty (60) days after receiving bills for partial or final closure activities, the Director shall issue a written response specifying the amount of the reimbursement authorized, if the Director determines that the partial or final closure expenditures are in accordance with the approved closure plan, or otherwise justified. If the Director has reason to believe that the maximum cost of closure over the remaining life of the facility and post-closure period will be significantly greater than the existing value of the closure fund, he may withhold reimbursement of such amounts as he deems prudent until he determines, in accordance with 40 CFR 264.143(i), that the Permittee is no longer required to maintain financial assurance for final closure of the facility. If the Director does not make such reimbursements, he will provide the Permittee with a detailed written statement of reasons. *[40 CFR 264.143(a)(10)]*

14.5.1.8. Termination of Trust *[40 CFR 264.143(i)]*

Pursuant to 40 CFR 264.143(a)(11), the Director shall agree to termination of the trust when:

1. The Permittee substitutes alternate financial assurance, as accepted by the Director; or
2. The Director releases the Permittee from the requirements of this section, in accordance with Permit Condition 14.5.3.

14.5.2. Use of Multiple Financial Mechanisms

The Permittee may satisfy the requirements of this section by establishing more than one financial mechanism for the facility. These mechanisms are limited to trust funds, surety bonds guaranteeing payment into a fund, and insurance. The combination of mechanisms must provide financial assurance for an amount at least equal to the current closure cost estimate. The Director may use any or all of these mechanisms or NAC 444.846 to provide for closure of the facility. *[40 CFR 264.143(g)]*

14.5.3. Release of the Permittee from the Requirements of Financial Assurance for Closure

Within sixty (60) days after receiving certifications from the Permittee and an independent Nevada registered Professional Engineer that final closure has been completed in accordance with the approved closure plan, the Director shall notify the Permittee in writing that the Permittee is no longer required by this permit section to maintain financial assurance for final closure of the facility, unless the Director has reason to believe that final closure has not been in accordance with the approved closure plan. The Director shall provide the Permittee a detailed written statement of any such reason to believe that closure has not been in accordance with the approved closure plan. *[40 CFR 264.143(c)]*

14.6 COST ESTIMATE FOR POST-CLOSURE

The Permittee shall maintain a detailed written estimate, in current dollars, of the annual cost of providing at least thirty (30) years of post-closure care and maintenance of the facility, in accordance with the approved post-closure plan and the requirements in 40 CFR 264.117 through

40 CFR 264.120, and applicable post-closure regulations in 40 CFR 264.228, 264.258, 264.280, 264.310, and 264.603. The Permittee's most recent post-closure cost estimate, prepared in accordance with 40 CFR 264.144(a), is specified in Appendix 17-A in Section 17 of the Permit Application. *[40 CFR 264.144]*

14.6.1. The Post-Closure Cost Estimate

14.6.1.1. Must be based on the costs of hiring a third party[iii] to conduct the post-closure care activities; and *[40 CFR 264.144(a)(1)]*

14.6.1.2. Is calculated by multiplying the estimated annual cost of providing the post-closure care required under 40 CFR 264.117 through 40 CFR 264.120, by at least thirty (30) years of required post-closure care. *[40 CFR 264.144(a)(2)]*

14.6.2. Adjustment for Inflation

14.6.2.1. During the active life of the facility, the Permittee must adjust the post-closure cost estimate for inflation no later than sixty (60) days prior to the anniversary date of October 15th. Adjustment shall be made by multiplying the post-closure cost estimate by the inflation factor, as described in Permit Condition 14.4.2.1. The result is the adjusted post-closure cost estimate. *[40 CFR 264.144(b)]*

14.6.2.2. During the active life of the facility, the Permittee shall revise the post-closure cost estimate within thirty (30) days after the Director has approved a request to modify the post-closure plan, if the change in the post-closure plan increases the cost of post-closure care. The revised post-closure cost estimate must be adjusted for inflation, as specified in Permit Condition 14.6.2.1. *[40 CFR 264.144(c)]*

14.6.3. Documentation

The Permittee must keep the following at the facility during the operating life of the facility:

1. The latest post-closure cost estimate prepared in accordance with Permit Condition 14.6; and, *[40 CFR 264.144(a) & (c)]*
2. When this estimate has been adjusted in accordance with Permit Condition 14.6.2, the latest adjusted post-closure cost estimate along with documentation of how the adjusted cost estimate was derived. *[40 CFR 264.144(b)]*

14.7 FINANCIAL ASSURANCE FOR POST-CLOSURE

The Permittee shall establish and maintain financial assurance for post-closure care of the facility in accordance with Permit Application Sections 17 (Post- Closure Care Plan) and 18 (Financial Assurance Mechanism) and comply with the requirements specified below. Any change in the financial assurance mechanism must be approved by the Director in accordance with Permit Condition 1.2.1. *[40 CFR 264.145]*

[iii] A third party is a party who is neither a parent nor a subsidiary of the Permittee (see definition of Parent Corporation in 40 CFR 264.141(d)).

14.7.1. Post-Closure Fund

14.7.1.1. The Permittee may satisfy the requirements of this section by establishing a post-closure fund to comply with NAC 444.846 which conforms to the requirements of this section. The specific wording of any agreement associated with the post-closure fund must be approved by the Director. A single fund may be established to provide the combined financial assurance amount for both the closure and post-closure cost estimates.

14.7.1.2. Payments into the fund may be made by the Permittee over the term of the RCRA Permit or over the remaining operating life of the facility as estimated in the approved Closure Plan, whichever period is shorter and complies with the Director's requirements. The payments into the post-closure fund shall be made as required by the Director.

14.7.1.3. If the Permittee establishes a post-closure fund and the value of that fund is less than the current post-closure cost estimate, the Permittee shall either submit payment into the fund or provide an alternative financial assurance instrument, as approved by the Director, to ensure coverage for the full amount of the current post-closure cost estimate.

14.7.1.4. The Permittee may accelerate payments into the fund or may deposit the full amount of the current post-closure cost estimate at the time the fund is established or anytime thereafter.

14.7.1.5. Change in Post-Closure Cost Estimate

14.7.1.5.1. Whenever the current post-closure cost estimate changes, the Permittee shall compare the new cost estimate with the most recent annual valuation of the post-closure fund. If the value of the post-closure fund is less than the amount of the new post-closure cost estimate, then the Permittee, within sixty (60) days after the change in the cost estimate, must either deposit an amount into the post-closure fund so that its value after this deposit equals the amount of the current post-closure cost estimate or obtain other financial assurance approved by the Director, as necessary, to cover the difference.

14.7.1.5.2. During the operating life of the facility, if the value of the closure fund is greater than the combined total amount of both the current closure cost estimate and the post-closure cost estimate, the Permittee may submit a written request to the Director for refund of the amount in excess of the current closure and post-closure cost estimate. One written request for refund may be submitted each year, and such request shall be made within thirty (30) days after the NDEP's approval of the annual closure and post-closure cost estimate update.

14.7.1.6. Release of Funds

Within sixty (60) days after receiving a request from the Permittee for release of funds, as specified in Permit Condition 14.7.1.5.2, the Director will provide a written response to the Permittee identifying the amount approved to be released from the closure fund.

14.7.1.7. Reimbursements

14.7.1.7.1. During the period of post-closure care, the Director may approve a release of funds if the Permittee demonstrates to the Director that the value of the fund exceeds the remaining cost of

post-closure care.

14.7.1.7.2. During the period of post-closure care, the Permittee, or another person authorized to conduct post-closure care, may request reimbursements from the established post-closure fund for post-closure expenditures by submitting itemized bills to the Director. The Permittee shall only request reimbursements for post-closure care if sufficient funds are remaining in the post-closure fund to cover the maximum costs of providing the remaining post-closure care of the facility. Within sixty (60) days after receiving bills for post-closure care activities, the Director shall issue a written response specifying the amount of reimbursement authorized, if the Director determines that the post-closure care expenditures are in accordance with the approved post-closure plan, or otherwise justified. If the Director has reason to believe that the maximum cost of post-closure care over the remaining post-closure period will be significantly greater than the existing value in the post-closure fund, he may withhold reimbursements of such amounts as he deems prudent until he determines, in accordance with 40 CFR 264.145(i), that the Permittee is no longer required to maintain financial assurance for post-closure care of the facility. If the Director does make such reimbursements, he will provide the Permittee with a detailed written statement of reasons. *[40 CFR 264.145(a)(10)]*

14.7.1.8. Termination of Trust *[40 CFR 264.145(i)]*

Pursuant to 40 CFR 264.145(a)(12), the Director may agree to termination of the trust when:

1. The Permittee substitutes alternate financial assurance, as accepted by the Director; or
2. The Director releases the Permittee from the requirements of this section in accordance with Permit Condition 14.7.2.

14.7.2. Release of the Permittee from the requirements of Financial Assurance for Post-Closure Care

Within sixty (60) days after receiving certifications from the Permittee and an independent Nevada registered Professional Engineer that the post-closure care period has been completed in accordance with the approved post-closure care plan, the Director shall notify the Permittee in writing that the Permittee is no longer required by this permit section to maintain financial assurance for post-closure care of the facility, unless the Director has reason to believe that post-closure care has not been in accordance with the approved post-closure plan. The Director shall provide the Permittee a detailed written statement of any such reason to believe that the post-closure care has not been in accordance with the approved post-closure care plan.

[40 CFR 264.145(i)]

14.8 COST ESTIMATE AND FINANCIAL ASSURANCE FOR CORRECTIVE ACTION

The Permittee shall establish a cost estimate and maintain financial assurance for any remedial or corrective actions required at the facility as a result of a release of hazardous waste(s) in accordance with the respective corrective measures study and approved workplans and the requirements specified below. Any change in the financial assurance mechanism must be approved by the Director in accordance with Permit Condition 1.2.

14.8.1. The cost estimate for corrective action must be:

1. Based on the costs of hiring a third party[iv] to conduct the corrective action activities; and
2. Calculated by multiplying the annual corrective action cost by the number of years of corrective action required by the Director.

14.8.2. Adjustment for Inflation

When required to perform Corrective Action, the Permittee must annually adjust the corrective action cost estimate for inflation no later than sixty (60) days prior to the annual cost review date of October 15th. The adjustment may be made by either recalculating the maximum costs of corrective action in current dollars, or by multiplying the corrective action cost estimate by the inflation factor, as described in Permit Condition 14.4.2. The result is the adjusted Corrective Action cost estimate.

14.8.3. The Permittee shall revise the corrective action cost estimate no later than thirty (30) days after the Director has approved a request to modify the Corrective Action Plan, if the change in the Corrective Action Plan increases the cost of corrective action. The revised corrective action cost estimate must be adjusted for inflation, as specified in Permit Condition 14.8.2.

[40 CFR 264.142(c)]

14.8.4. Documentation

The Permittee must keep the following at the facility during the operating life of the facility:

1. The latest corrective action cost estimate prepared in accordance with Permit Condition 14.8.1; and,
2. When this estimate has been adjusted in accordance with Permit Condition 14.8.2, the latest adjusted corrective action cost estimate along with documentation of how the adjusted cost estimate was derived.

14.8.5. Financial Assurance

14.8.5.1. The Permittee may satisfy the requirements of this section by establishing a corrective action fund to comply with NAC 444.846 which conforms to the requirements of this section. The specific wording of any agreement associated with the corrective action fund must be approved by the Director. A single fund may be established to provide the combined financial assurance amount for the closure, post-closure and corrective action cost estimates.

14.8.5.2. If the Permittee establishes a corrective action fund and the value of that fund is less than the current corrective action cost estimate, the Permittee shall either submit payment into the fund or provide an alternative financial assurance instrument, as approved by the Director, to ensure coverage for the full amount of the current combined cost estimates.

14.8.6. Release from the Requirements of Financial Assurance for Corrective Action

After receiving certifications from the Permittee and a qualified Professional Engineer that

[iv] A third party is a party who is neither a parent nor a subsidiary of the Permittee (see definition of Parent Corporation in 40 CFR 264.141(d)).

corrective action has been completed in accordance with the approved plans, and the Project Coordinator has accepted the final corrective action report and issued a letter indicating no further action, the Director will notify the Permittee that he/she is no longer required to maintain financial assurance for corrective action, unless the Director has reason to believe that corrective action has not been in accordance with the approved corrective action plan. The Director shall provide the Permittee with a detailed written statement of any such reason to believe that corrective action care has not been in accordance with the approved corrective action plan.

14.9 USE OF A MECHANISM FOR FINANCIAL ASSURANCE OF CLOSURE, POST-CLOSURE CARE AND CORRECTIVE ACTION

The Permittee may satisfy the requirements for financial assurance for closure, post-closure care and corrective action for the facility by using a combination of either a fund, surety bond paying into a fund, or insurance that meets the specifications for the mechanisms in both 40 CFR 264.143 and 264.145, or an equitable State mechanism approved by the Director. The amount of funds available through the mechanism must be no less than the sum of funds that would be available if separate mechanisms had been established and maintained for financial assurance of closure, post-closure care, and corrective action individually. *[40 CFR 264.146]*

14.10 LIABILITY REQUIREMENTS – SUDDEN & NON-SUDDEN OCCURRENCES

The Permittee shall demonstrate continuous compliance with Permit Application Section 18.1.0 (Coverage for Sudden and Non-Sudden Accidental Occurrences) and 40 CFR 264.147(a) to maintain liability coverage for sudden accidental occurrences in the amount of at least $1 million per occurrence, with an annual aggregate of at least $2 million, exclusive of legal defense costs. The Permittee shall also demonstrate continuous compliance with the 40 CFR 264.147(b) to maintain liability coverage for non-sudden accidental occurrences in an amount of at least $3 million per occurrence, with an annual aggregate of at least $6 million, exclusive of legal defense costs. *[40 CFR 264.147]*

14.10.1. Coverage for Sudden Accidental Occurrences

The Permittee must demonstrate financial responsibility for bodily injury and property damage to third parties caused by sudden accidental occurrences arising from operations of the facility. The Permittee must have and maintain liability coverage for sudden accidental occurrences in the amount of at least $1 million per occurrence with an annual aggregate of at least $2 million, exclusive of legal defense costs. This liability coverage may be demonstrated by having liability insurance, as follows: *[40CFR 264.147(a)]*

1. Each insurance policy must be amended by attachment of the Hazardous Waste Facility Liability Endorsement or evidenced by a Certificate of Liability Insurance. The wording of the endorsement must be identical to the wording specified in 40 CFR 264.151(i). The wording of the certificate of insurance must be identical to the wording specified in 40 CFR 264.151(j). The Permittee must submit a signed duplicate original of the endorsement or the certificate of insurance to the Director. If requested by the Director, the Permittee must provide a signed duplicate original of the insurance policy.

2. Each insurance policy must be issued by an insurer, which, at a minimum, is licensed to transact the business of insurance, or eligible to provide insurance as an excess or surplus lines insurer, in one or more States, including Nevada.

14.10.1.1. The Permittee shall notify the Director in writing within thirty (30) days whenever:

1. A claim results in a reduction in the amount of financial assurance for liability coverage provided by a financial instrument authorized in Permit Condition 14.10.1 1; or
2. A Certification of Valid Claim for bodily injury or property damages caused by a sudden accidental occurrence arising from the operation of the facility is entered between the Permittee and third-party claimant for liability coverage under Permit Condition 14.10.1; or
3. A final court order establishing a judgment for bodily injury or property damage caused by a sudden accidental occurrence arising from the operation of the facility is issued against the Permittee or an instrument that is providing financial assurance for liability coverage under Permit Condition 14.10.1.

14.10.2. Coverage for Non-sudden Accidental Occurrences

The Permittee must demonstrate financial responsibility for bodily injury and property damage to third parties caused by non-sudden accidental occurrences arising from operations of the facility. The Permittee must have and maintain liability coverage for non-sudden accidental occurrences in the amount of at least $3 million per occurrence with an annual aggregate of at least $6 million, exclusive of legal defense costs. As the Permittee must meet the requirements of this section, the Permittee may combine the required per-occurrence coverage levels for both sudden and non-sudden accidental occurrences into a single annual aggregate level. Owners or operators who combine coverage levels for sudden and non-sudden accidental occurrences must maintain liability coverage in the amount of at least $4 million per occurrence and $8 million annual aggregate. This liability coverage may be demonstrated by having liability insurance, as follows: *[40 CFR 2643.147(b)]*

1. Each insurance policy must be amended by attachment of the Hazardous Waste Facility Liability Endorsement or evidenced by a Certificate of Liability Insurance. The wording of the endorsement must be identical to the wording specified in 40 CFR 264.151(i). The wording of the certificate of insurance must be identical to the wording specified in 40 CFR 264.151(j). The Permittee must submit a signed duplicate original of the endorsement or the certificate of insurance to the Director. If requested by the Director, the Permittee must provide a signed duplicate original of the insurance policy.
2. Each insurance policy must be issued by an insurer, which at a minimum, is licensed to transact the business of insurance, or eligible to provide insurance as an excess or surplus lines insurer, in one or more States, including Nevada.

14.10.2.1. The Permittee shall notify the Director in writing within thirty (30) days whenever:

1. A claim results in a reduction in the amount of financial assurance for liability coverage provided by a financial instrument authorized in Permit Condition 14.10.2; or

2. A Certification of Valid Claim for bodily injury or property damages caused by a non-sudden accidental occurrence arising from the operation of the facility is entered between the Permittee and third-party claimant for liability coverage under Permit Condition 14.10.2; or
3. A final court order establishing a judgment for bodily injury or property damage caused by a non-sudden accidental occurrence arising from the operation of the facility is issued against the Permittee or an instrument that is providing financial assurance for liability coverage under Permit Condition 14.10.2.

14.10.3. Adjustments by the Director

If the Director determines that the levels of financial responsibility required are not consistent with the degree and duration of risk associated with the facility, the Director may adjust the level of financial responsibility required under this section as may be necessary, to protect human health and the environment. The adjusted level will be based on the Director's assessment of the degree and duration of risk associated with the operation of the facility. In addition, if the Director determines that there is a significant risk to human health and the environment from non-sudden accidental occurrences resulting from the operations of the facility, he may require that the Permittee comply with paragraph 40 CFR 264.147(b). The Permittee must furnish to the Director, within a reasonable time, any information which the Director requests, to determine whether cause exists for such adjustments of level or type of coverage. Any adjustment of the level or type of coverage for a facility that has a permit will be treated as a permit modification under 40 CFR 270.41(a)(2) and 40 CFR 124.5 and comply with Permit Condition 1.2.1.

[40 CFR 264.147(d)]

14.10.4. Period of Coverage

Within sixty (60) days after receiving certifications from the Permittee and a qualified Professional Engineer that final closure has been completed in accordance with the approved closure plan; the Director will notify the Permittee in writing that he is no longer required by this section to maintain liability coverage for the facility, unless the Director has reason to believe that closure has not been in accordance with the approved closure plan. *[40 CFR 264.147(e)]*

14.11 INCAPACITY OF OWNERS, OPERATORS, GUARANTORS, OR FINANCIAL INSTITUTIONS

14.11.1. Notification

The Permittee must notify the Director by certified mail of the commencement of a voluntary or involuntary proceeding under Title 11 (Bankruptcy), U.S. Code, naming the Permittee or parent company as a debtor, within ten (10) days after commencement of the proceeding.

[40 CFR 264.148(a)]

14.11.2. The Permittee will be deemed to be without the required financial assurance or liability coverage in the event of bankruptcy of a trustee or issuing institution, or a suspension or revocation of the authority of an institution issuing a surety bond or insurance policy utilized to satisfy the financial assurance obligations of the facility. The Permittee shall establish other financial

assurance or liability coverage within sixty (60) days after such an event.

[40 CFR 264.148(b)]

14.12 COMPLIANCE SCHEDULE

Task		Date Due
1	*Reserved*	

RCRA Permit Application, Part A (*attached*)

OMB# 2050-0024; Expires 05/31/2020

United States Environmental Protection Agency
RCRA SUBTITLE C SITE IDENTIFICATION FORM

1. Reason for Submittal (Select only one.)

☐	Obtaining or updating an EPA ID number for an on-going regulated activity that will continue for a period of time. (Includes HSM activity)
☐	Submitting as a component of the Hazardous Waste Report for _____ (Reporting Year)
	☐ Site was a TSD facility and/or generator of > 1,000 kg of hazardous waste, > 1 kg of acute hazardous waste, or > 100 kg of acute hazardous waste spill cleanup in **one or more months of the reporting year** (or State equivalent LQG regulations)
☐	Notifying that regulated activity is no longer occurring at this Site
☐	Obtaining or updating an EPA ID number for conducting Electronic Manifest Broker activities
☑	Submitting a new or revised Part A Form

2. Site EPA ID Number

N	V	T	3	3	0	0	1	0	0	0	0

3. Site Name

US Ecology Nevada

4. Site Location Address

Street Address: Hwy 95, 11 Miles South of Beatty		
City, Town, or Village: Beatty		County: Nye
State: Nevada	Country: USA	Zip Code: 89003

5. Site Mailing Address ☐ Same as Location Address

Street Address: PO Box 578		
City, Town, or Village: Beatty		
State: Nevada	Country: USA	Zip Code: 89003

6. Site Land Type

☐ Private ☐ County ☐ District ☐ Federal ☐ Tribal ☐ Municipal ☑ State ☐ Other

7. North American Industry Classification System (NAICS) Code(s) for the Site (at least 5-digit codes)

A. (Primary) 562211	C.
B.	D.

8. Site Contact Information

☐ Same asLocationAddress

First Name **Daniel**	MI	Last Name **Church**
Title **General Manager**		
Street Address **PO BOX 578**		
City, Town, or Village **Beatty**		
State **Nevada**	Country **USA**	Zip Code **89003**
Email **daniel.church@usecology.com**		
Phone **775-553-2203**	Ext **4118**	Fax **775-553-2125**

9. Legal Owner and Operator of the Site

A. Name of Site's Legal Owner

☐ Same as Location Address

Full Name Nevada Division of State Lands		Date Became Owner (mm/dd/yyyy) 1/1/1961
Owner Type ☐ Private ☐ County ☐ District ☐ Federal ☐ Tribal ☐ Municipal ☑ State ☐ Other		
Street Address 901 S. Stewart St., Suite 5003		
City, Town, or Village Carson City		
State Nevada	Country **USA**	Zip Code 89701-5246
Email cdonohue@lands.nv.gov		
Phone 775-684-2720	Ext	Fax
Comments Mr. Donohue is the Administrator of the Nevada Division of State Lands		

B. Name of Site's Legal Operator

☐ Same as Location Address

Full Name US Ecology Nevada		Date Became Operator (mm/dd/yyyy) 1/1/1970
Operator Type ☑ Private ☐ County ☐ District ☐ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other		
Street Address **PO BOX 578**		
City, Town, or Village **Beatty**		
State **Nevada**	Country **USA**	Zip Code **89003**
Email daniel.church@usecology.com		
Phone **775-553-2203**	Ext **4118**	Fax **775-553-2125**
Comments		

10. Type of Regulated Waste Activity (at your site)

Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

A. Hazardous Waste Activities

☑ Y ☐ N	1. Generator of Hazardous Waste—If "Yes", mark only one of the following—a, b, c		
	☑	a. LQG	-Generates, in any calendar month (includes quantities imported by importer site) 1,000 kg/mo (2,200 lb/mo) or more of non-acute hazardous waste; or - Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lb/mo) of acute hazardous waste; or - Generates, in any calendar month or accumulates at any time, more than 100 kg/mo (220 lb/mo) of acute hazardous spill cleanup material.
	☐	b. SQG	100 to 1,000 kg/mo (220-2,200 lb/mo) of non-acute hazardous waste and no more than 1 kg (2.2 lb) of acute hazardous waste and no more than 100 kg (220 lb) of any acute hazardous spill cleanup material.
	☐	c. VSQG	Less than or equal to 100 kg/mo (220 lb/mo) of non-acute hazardous waste.
If "Yes" above, indicate other generator activities in 2 and 3, as applicable.			
☐ Y ☑ N	2. Short-Term Generator (generates from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section.		
☐ Y ☑ N	3. Mixed Waste (hazardous and radioactive) Generator		
☑ Y ☐ N	4. Treater, Storer or Disposer of Hazardous Waste—Note: A hazardous waste Part B permit is required for these activities.		
☑ Y ☐ N	5. Receives Hazardous Waste from Off-site		
☑ Y ☐ N	6. Recycler of Hazardous Waste		
	☒	a. Recycler who stores prior to recycling rev 9-9-19	
	☐	b. Recycler who does not store prior to recycling	
☐ Y ☑ N	7. Exempt Boiler and/or Industrial Furnace—If "Yes", mark all that apply.		
	☐	a. Small Quantity On-site Burner Exemption	
	☐	b. Smelting, Melting, and Refining Furnace Exemption	

B. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g. D001, D003, F007, U112). Use an additional page if more spaces are needed.

See	Atta	ched	EPA	List		

C. Waste Codes for State Regulated (non-Federal) Hazardous Wastes. Please list the waste codes of the State hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.

See	Attach	ed	CA	List		

ITEM 10.B
Waste Codes for Federally Regulated Hazardous Wastes

D001	F008	K031	K109	P009	P067	P185	U036	U089	U142	U193	U364
D002	F009	K032	K110	P010	P068	P188	U037	U090	U143	U194	U367
D003	F010	K033	K111	P011	P069	P189	U038	U091	U144	U196	U372
D004	F011	K034	K112	P012	P070	P190	U039	U092	U145	U197	U373
D005	F012	K035	K113	P013	P071	P191	U041	U093	U146	U200	U387
D006	F019	K036	K114	P014	P072	P192	U042	U094	U147	U201	U389
D007	F020	K037	K115	P015	P073	P194	U043	U095	U148	U203	U394
D008	F021	K038	K116	P016	P074	P196	U044	U096	U149	U204	U395
D009	F022	K039	K117	P017	P075	P197	U045	U097	U150	U205	U404
D010	F023	K040	K118	P018	P076	P198	U046	U098	U151	U206	U409
D011	F024	K041	K123	P020	P077	P199	U047	U099	U152	U207	U410
D012	F025	K042	K124	P021	P078	P201	U048	U101	U153	U208	U411
D013	F026	K043	K125	P022	P081	P202	U049	U102	U154	U209	
D014	F027	K044	K126	P023	P082	P203	U050	U103	U155	U210	
D015	F028	K045	K131	P024	P084	P204	U051	U105	U156	U211	
D016	F032	K046	K132	P026	P085	P205	U052	U106	U157	U213	
D017	F034	K047	K136	P027	P087	U001	U053	U107	U158	U214	
D018	F035	K048	K141	P028	P088	U002	U055	U108	U159	U215	
D019	F037	K049	K142	P029	P089	U003	U056	U109	U160	U216	
D020	F038	K050	K143	P030	P092	U004	U057	U110	U161	U217	
D021	F039	K051	K144	P031	P093	U005	U058	U111	U162	U218	
D022	K001	K052	K145	P033	P094	U006	U059	U112	U163	U219	
D023	K002	K060	K147	P034	P095	U007	U060	U113	U164	U220	
D024	K003	K061	K148	P036	P096	U008	U061	U114	U165	U221	
D025	K004	K062	K149	P037	P097	U009	U062	U115	U166	U222	
D026	K005	K069	K150	P038	P098	U010	U063	U116	U167	U223	
D027	K006	K071	K151	P039	P099	U011	U064	U117	U168	U225	
D028	K007	K073	K156	P040	P101	U012	U066	U118	U169	U226	
D029	K008	K083	K157	P041	P102	U014	U067	U119	U170	U227	
D030	K009	K084	K158	P042	P103	U015	U068	U120	U171	U228	
D031	K010	K085	K159	P043	P104	U016	U069	U121	U172	U234	
D032	K011	K086	K161	P044	P105	U017	U070	U122	U173	U235	
D033	K013	K087	K169	P045	P106	U018	U071	U123	U174	U236	
D034	K014	K088	K170	P046	P108	U019	U072	U124	U176	U237	
D035	K015	K093	K171	P047	P109	U020	U073	U125	U177	U238	
D036	K016	K094	K172	P048	P110	U021	U074	U126	U178	U239	
D037	K017	K095	K174	P049	P111	U022	U075	U127	U179	U240	
D038	K018	K096	K175	P050	P112	U023	U076	U128	U180	U243	
D039	K019	K097	K176	P051	P113	U024	U077	U129	U181	U244	
D040	K020	K098	K177	P054	P114	U025	U078	U130	U182	U246	
D041	K021	K099	K178	P056	P115	U026	U079	U131	U183	U247	
D042	K022	K100	K181	P057	P116	U027	U080	U132	U184	U248	
D043	K023	K101	P001	P058	P118	U028	U081	U133	U185	U249	
F001	K024	K102	P002	P059	P119	U029	U082	U134	U186	U271	
F002	K025	K103	P003	P060	P120	U030	U083	U135	U187	U278	
F003	K026	K104	P004	P062	P121	U031	U084	U136	U188	U279	
F004	K027	K105	P005	P063	P122	U032	U085	U137	U189	U280	
F005	K028	K106	P006	P064	P123	U033	U086	U138	U190	U328	
F006	K029	K107	P007	P065	P127	U034	U087	U140	U191	U353	
F007	K030	K108	P008	P066	P128	U035	U088	U141	U192	U359	

ITEM 10-C CALIFORNIA WASTE CODES

California Restricted Wastes – Use First , if applicable	
711	Liquids with cyanides ≥ 1000 mg/l
721	Liquids with arsenic ≥ 500 mg/l
722	Liquids with cadmium ≥ 100 mg/l
723	Liquids with chromium (VI) ≥ 500 mg/l
724	Liquids with lead ≥ 500 mg/l
725	Liquids with mercury ≥ 20 mg/l
726	Liquids with nickel ≥ 134 mg/l
727	Liquids with selenium ≥ 100 mg/l
728	Liquids with thallium ≥ 130 mg/l
731	Liquids with polychlorinated biphenyls ≥ 50 mg/l
741	Liquids with halogenated organic compounds ≥ 1000 mg/l
751	Solids or sludges with halogenated organic comp. 1000 mg/kg
791	Liquids with pH ≤ 2
792	Liquids with pH ≤ 2 with metals
801	Waste potentially containing dioxins

CALIFORNIA NON-RESTRICTED WASTES Inorganics	
121	Alkaline solution (pH ≥12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
122	Alkaline solution without metals (pH ≥ 12.5)
123	Unspecified alkaline solution
131	Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)
132	Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)
133	Aqueous solution with 10% or more total organic residues
134	Aqueous solution with <10% total organic residues
135	Unspecified aqueous solution
141	Off-specification, aged, or surplus inorganics
151	Asbestos-containing waste
161	Fluid-cracking catalyst (FCC) waste
162	Other spent catalyst
171	Metal sludge (see 121)
172	Metal dust (see 121) and machining waste
181	Other inorganic solid waste

Organics	
211	Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
212	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
213	Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
214	Unspecified solvent mixture
221	Waste oil and mixed oil
222	Oil/water separation sludge
223	Unspecified oil-containing waste
231	Pesticide rinse water
232	Pesticides and other waste associated with pesticide production
241	Tank bottom waste
251	Still bottoms with halogenated organics
252	Other still bottom waste
261	Polychlorinated biphenyls and material containing PCB's
271	Organic monomer waste (includes unreacted resins)
272	Polymeric resin waste
281	Adhesives
291	Latex waste
311	Pharmaceutical waste
321	Sewage sludge
322	Biological waste other than sewage sludge
331	Off-specification, aged, or surplus organics
341	Organic liquids (nonsolvents) with halogens
342	Organic liquids with metals (see 121)
343	Unspecified organic liquid mixture
351	Organic solids with halogens
352	Other organic solids

Sludges	
411	Alum and gypsum sludge
421	Lime sludge
431	Phosphate sludge
441	Sulfur sludge
451	Degreasing sludge
461	Paint sludge
471	Paper sludge/pulp
481	Tetraethyl lead sludge
491	Unspecified sludge waste

Miscellaneous	
511	Empty pesticide containers 30 gallons or more
512	Other empty containers 30 gallons or more
513	Empty containers less than 30 gallons
521	Drilling mud
531	Chemical toilet waste
541	Photochemicals / photoprocessing waste
551	Laboratory waste chemicals
561	Detergent and soap
571	Fly ash, bottom ash, and retort ash
581	Gas scrubber waste
591	Baghouse waste
611	Contaminated soil from site clean-ups
612	Household waste
613	Auto shredder waste

HW REPORT MANAGEMENT METHOD CODES New Codes	Descriptions
H010	Metals recovery including retorting, smelting, chemicals, etc.
H020	Solvents recovery
H039	Other recovery of reclamation for reuse including acid regeneration, organics recovery, etc.
H050	Energy recovery at this site -- use as fuel (includes on-site fuel blending)
H061	Fuel blending prior to energy recovery at another site
H040	Incineration--thermal destruction other than use as a fuel
H071	Chemical reduction with or without precipitation
H073	Cyanide destruction with or without precipitation
H075	Chemical oxidation
H076	Wet air oxidation
H077	Other chemical precipitation with or without pre-treatment
H081	Biological treatment with or without precipitation
H082	Adsorption
H083	Air or steam stripping
H101	Sludge treatment and/or dewatering
H103	Absorption
H111	Stabilization or chemical fixation prior to disposal at another site
H112	Macro-encapsulation prior to disposal at another site
H121	Neutralization only
H122	Evaporation
H123	Settling or clarification
H124	Phase separation
H129	Other treatment
H131	Land treatment or application (to include on-site treatment and/or stabilization)
H132	Landfill or surface impoundment that will be closed as landfill (to include on-site treatment and/or stabilization)
H134	Deepwell or underground injection (with or without treatment)
H135	Discharge to sewer/POTW or NPDES (with prior storage--with or without treatment)
H141	Storage, bulking, and/or transfer off site--no treatment/recovery (H010-H129), fuel blending (H061), or disposal (H131-H135) at this site

11. Additional Regulated Waste Activities (NOTE: Refer to your State regulations to determine if a separate permit is required.)

A. Other Waste Activities

☐ Y ☑ N	1. Transporter of Hazardous Waste—If "Yes", mark all that apply.
☐	a. Transporter
☐	b. Transfer Facility (at your site)
☐ Y ☑ N	2. Underground Injection Control
☑ Y ☐ N	3. United States Importer of Hazardous Waste
☐ Y ☑ N	4. Recognized Trader—If "Yes", mark all that apply.
☐	a. Importer
☐	b. Exporter
☐ Y ☑ N	5. Importer/Exporter of Spent Lead-Acid Batteries (SLABs) under 40 CFR 266 Subpart G—If "Yes", mark all that apply.
☐	a. Importer
☐	b. Exporter

B. Universal Waste Activities

☑ Y ☐ N	1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) - If "Yes" mark all that apply. Note: Refer to your State regulations to determine what is regulated.
☑	a. Batteries
☐	b. Pesticides
☑	c. Mercury containing equipment
☑	d. Lamps
☐	e. Other (specify) _____
☐	f. Other (specify) _____
☐	g. Other (specify) _____
☑ Y ☐ N	2. Destination Facility for Universal Waste Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities

☐ Y ☑ N	1. Used Oil Transporter—If "Yes", mark all that apply.
☐	a. Transporter
☐	b. Transfer Facility (at your site)
☐ Y ☑ N	2. Used Oil Processor and/or Re-refiner—If "Yes", mark all that apply.
☐	a. Processor
☐	b. Re-refiner
☐ Y ☑ N	3. Off-Specification Used Oil Burner
☐ Y ☑ N	4. Used Oil Fuel Marketer—If "Yes", mark all that apply.
☐	a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
☐	b. Marketer Who First Claims the Used Oil Meets the Specifications

12. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR 262 Subpart K.

☐ Y ☑ N	A. Opting into or currently operating under 40 CFR 262 Subpart K for the management of hazardous wastes in laboratories—If "Yes", mark all that apply. Note: See the item-by-item instructions for definitions of types of eligible academic entities.
☐	1. College or University
☐	2. Teaching Hospital that is owned by or has a formal written affiliation with a college or university
☐	3. Non-profit Institute that is owned by or has a formal written affiliation with a college or univer-
☐ Y ☑ N	B. Withdrawing from 40 CFR 262 Subpart K for the management of hazardous wastes in laboratories.

13. Episodic Generation

☐ Y ☑ N	Are you an SQG or VSQG generating hazardous waste from a planned or unplanned episodic event, lasting no more than 60 days, that moves you to a higher generator category. If "Yes", you must fill out the Addendum for Episodic Generator.

14. LQG Consolidation of VSQG Hazardous Waste

☐ Y ☑ N	Are you an LQG notifying of consolidating VSQG Hazardous Waste Under the Control of the Same Person pursuant to 40 CFR 262.17(f)? If "Yes", you must fill out the Addendum for LQG Consolidation of VSQGs hazardous waste.

15. Notification of LQG Site Closure for a Central Accumulation Area (CAA) (optional) OR Entire Facility (required)

☐ Y ☑ N	LQG Site Closure of a Central Accumulation Area (CAA) or Entire Facility.
	A. ☐ Central Accumulation Area (CAA) ☐ Entire Facility
	B. Expected closure date: _____ mm/dd/yyyy
	C. Requesting new closure date: _____ mm/dd/yyyy
	D. Date closed : _____ mm/dd/yyyy ☐ 1. In compliance with the closure performance standards 40 CFR 262.17(a)(8) ☐ 2. Not in compliance with the closure performance standards 40 CFR 262.17(a)(8)

16. Notification of Hazardous Secondary Material (HSM) Activity

☐ Y ☑ N	A. Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 260.30, 40 CFR 261.4(a)(23), (24), or (27)? If "Yes", you must fill out the Addendum to the Site Identification Form for Managing Hazardous Secondary Material.
☐ Y ☑ N	B. Are you notifying under 40 CFR 260.43(a)(4)(iii) that the product of your recycling process has levels of hazardous constituents that are not comparable to or unable to be compared to a legitimate product or intermediate but that the recycling is still legitimate? If "Yes", you may provide explanation in Comments section. You must also document that your recycling is still legitimate and maintain that documentation on site.

17. Electronic Manifest Broker

☐ Y ☑ N	Are you notifying as a person, as defined in 40 CFR 260.10, electing to use the EPA electronic manifest system to obtain, complete, and transmit an electronic manifest under a contractual relationship with a hazardous waste generator?

18. Comments (include item number for each comment)

10-C. USEN accepts state regulated wastes from inside and outside Nevada for treatment, storage,
and disposal. State regulated wastes are managed per NAC 444 and NRS 459.

19. Certification I certify under penalty of law that this document and all attachments were prepared under my direction or su pervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gath ering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. **Note: For the RCRA Hazardous Waste Part A permit Application, all owners and operators must sign (see 40 CFR 270.10(b) and 270.11)**.

Signature of legal owner, operator or authorized representative	Date (mm/dd/yyyy)
	9/9/19
Printed Name (First, Middle Initial Last)	Title
Daniel L. Church	General Manager
Email	
Daniel.Church@usecology.com	

Signature of legal owner, operator or authorized representative	Date (mm/dd/yyyy)
Printed Name (First, Middle Initial Last)	Title
Email	

EPA ID Number | | | | | | | | | | | | |

ADDENDUM TO THE SITE IDENTIFICATION FORM:
NOTIFICATION OF HAZARDOUS SECONDARY MATERIAL ACTIVITY

ONLY fill out this form if:

- You are located in a State that allows you to manage excluded hazardous secondary material (HSM) under 40 CFR 261.2(30), 261.4(a)(23), (24), or (27) (or state equivalent; See https://www.epa.gov/epawaste/hazard/dsw/statespf.htm for a list of eligible states; AND
- You are or will be managing excluded HSM in compliance with 40 CFR 260.30, 261.4(a)(23), (24), or (27) (or state equivalent) or have stopped managing excluded HSM in compliance with the exclusion(s) and do not expect to manage any amount of excluded HSM under the exclusion(s) for at least one year. Do not include any information regarding your hazardous waste activities in this section. Note: If your facility was granted a solid waste variance under 40 CFR 260.30 prior to July 13, 2015, your management of HSM under 40 CFR 260.30 is grandfathered under the previous regulations and you are not required to notify for the HSM management activity excluded under 40 CFR 260.30.

1. Reason for Notification (Include dates where requested)

☐ Facility will begin managing excluded HSM as of _____ (mm/dd/yyyy).

☐ Facility is still managing excluded HSM/re notifying as required by March 1 of each even numbered year.

☐ Facility has stopped managing excluded HSM as of _____ (mm/dd/yyyy) and is notifying as required.

2. Description of Excluded HSM Activity. Please list the appropriate codes (see Code List section of the instructions) and quantities, in short tons, to describe your excluded HSM activity ONLY (do not include any information regarding your hazardous wastes). Use additional pages if more space is needed.

A. Facility Code	B. Waste Code(s) for HSM	C. Estimate Short Tons of excluded HSM to be managed annually	D. Actual Short Tons of excluded HSM that was managed during the most recent odd-numbered year	E. Land-based Unit Code

EPA ID Number | | | | | | | | | | | | |

ADDENDUM TO THE SITE IDENTIFICATION FORM:
EPISODIC GENERATOR

ONLY fill out this form if:

- You are an SQG or VSQG generating hazardous waste from a planned or unplanned episodic event, lasting no more then 60 days, that moves the generator to a higher generator category pursuant to 40 CFR 262 Subpart L. Note: Only one planned and one unplanned episodic event are allowed within one year; otherwise, you must follow the requirements of the higher generator category. Use additional pages if more space is needed.

Episodic Event	
1. Planned ☐ Excess chemical inventory removal ☐ Tank cleanouts ☐ Short term construction or demolition ☐ Equipment maintenance during plant shutdowns ☐ Other _____	2. Unplanned ☐ Accidental spills ☐ Production process upsets ☐ Product recalls ☐ "Acts of nature" (Tornado, hurricane, flood, etc.) ☐ Other _____
3. Emergency Contact Phone	4. Emergency Contact Name
5. Beginning Date _____ (mm/dd/yyyy)	6. End Date _____ (mm/dd/yyyy)

Waste 1

7. Waste Description				8. Estimated Quantity (in pounds)	
9. Federal and/or State Hazardous Waste Codes					

Waste 2

7. Waste Description				8. Estimated Quantity (in pounds)	
9. Federal and/or State Hazardous Waste Codes					

Waste 3

7. Waste Description				8. Estimated Quantity (in pounds)	
9. Federal and/or State Hazardous Waste Codes					

EPA ID Number | | | | | | | | | | | | |

ADDENDUM TO THE SITE IDENTIFICATION FORM:
LQG CONSOLIDATION OF VSQG HAZARDOUS WASTE

ONLY fill out this form if:

- You are an LQG receiving hazardous waste from VSQGs under the control of the same person. Use additional pages if more space is needed.

VSQG 1		
1. EPA ID Number (if assigned)	2. Name	
3. Street Address		
4. City, Town, or Village	5. State	6. Zip Code
7. Contact Phone Number	8. Contact Name	
9. Email		

VSQG 2		
1. EPA ID Number (if assigned)	2. Name	
3. Street Address		
4. City, Town, or Village	5. State	6. Zip Code
7. Contact Phone Number	8. Contact Name	
9. Email		

VSQG 3		
1. EPA ID Number (if assigned)	2. Name	
3. Street Address		
4. City, Town, or Village	5. State	6. Zip Code
7. Contact Phone Number	8. Contact Name	
9. Email		

EPA ID Number | | | | | | | | | | | | |

United States Environmental Protection Agency

HAZARDOUS WASTE PERMIT PART A FORM

1. Facility Permit Contact

First Name	**Daniel**	MI	**L**	Last Name	**Church**
Title	**General Manager**				
Email	**daniel.church@usecology.com**				
Phone	**775-553-2203**	Ext	**4118**	Fax	**775-553-2125**

2. Facility Permit Contact Mailing Address

Street Address	**PO Box 578**	
City, Town, or Village	**Beatty**	
State **Nevada**	Country USA	Zip Code 88003

3. Facility Existence Date (mm/dd/yyyy)

1/1/1970

4. Other Environmental Permits

A. Permit Type	B. Permit Number	C. Description
R	**NEV00025**	**NDEP-Hazardous Waste Permit**
P	**AP4953-0184-3**	**NDEP-State Air Permit**
E	**NVT330010000**	**EPA Region IX-TSCA Permit**
E	**P330-13-00338**	**USDA-Soil Permit, APHIS**
E	**NVR500000**	**NDEP-Stormwater Permit**
E	PENDING	CAPP-Aerosol Recycling Unit

5. Nature of Business

Treatment, storage and disposal for RCRA and TSCA regulated wastes, and non-hazardous wastes.

Treatment options include stabilization, neutralization, solidification, chemical oxidation, encapsulation and deactivation. Management options also include aerosol can recovery and recycling.

EPA ID Number | | | | | | | | | | | | |

6. Process Codes and Design Capacities

Line Number		A. Process Code			B. Process Design Capacity (1) Amount	B. Process Design Capacity (2) Unit of Measure	C. Process Total Number of Units	D. Unit Name
0	1	S	0	1	7,602	Y	06	CMU #1, 6, 7, 16, 17, 19
0	2	S	0	2	25,850	G	06	Tanks 4, 5, 6, 7, 20 and 21
0	3	T	0	1	10,000	U	01	Tank #11
0	4	T	0	1	641,000	U	04	Stab Tanks 2, 3, 18, 19
0	5	D	8	0	10,260,000	Y	02	Trench 12 and 13

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.		A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes (1) Process Codes								D. Processes (2) Process Description (if code is not entered in 7.D1))
S	e	e				Attached	Continua	t	i	o	n		P	a	g	e s, 2b to 2n.

8. Map

Attach to this application a topographical map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids under ground. Include all spring, rivers, and other surface water bodies in this map area. See instructions for precise require ments.

9. Facility Drawing

All existing facilities must include a scale drawing of the facility. See instructions for more detail.

10. Photographs

All existing facilities must include photographs (aerial or ground level) that clearly delineate all existing structures; existing storage, treatment, and disposal areas; and sites of future storage, treatment, or disposal areas. See instructions for more detail.

11. Comments

See attached Item 11 Continuation, page 2a.
Attached are an Area Topographic Map (Item 8), a facility drawing showing site features (Item 9) and
site photographs (Item 10).

Section 6 Details:

Line 1:	**S01-Container storage**
CMU #1:	294 cubic yards (59,400 gallons or 1,080 @55 gallon drums).
CMU#6:	1,241 cubic yards (252,340 gallons or 4,588 @55 gallon drums).
CMU #7:	400 cubic yards (80,778 gallons or 1,469 @55 gallon drums).
CMU #16:	1,220 cubic yards (246,520 gallons or 4,482 @55 gallon drums).
CMU #17:	3,438 cubic yards (694,516 gallons or 12,627@ 55 gallon drums).
CMU #19	1,009 cubic yards (203,700 gallons or 3,703 @55 gallon drdzY'ǎú
Total Line 1:	7,602 cubic yards (1,535,610 gallons or 27,920 @ 55 gallon drums).
Line 2:	**S02-Tank Storage**
PCB Tanks:	Tank T4-7,500 gallons; Tank T5-5,000 gallons; Tank T6-5,000 gallons; Tank T7-7,500 gallons.
Lab Tanks:	Main Lab tank 20-425 gallons; Satellite Lab tank 21-425 gallons
Total Line 2:	25,850 gallons.

Line 3:	**T01-Tank Treatment**
Evaporation Tank:	Tank T11-10,000 gallons/day.
Total Line 3:	10,000 gallons/day.

Line 4:	**T01-Tank Treatment**
Stabilization Tanks:	Tank T2-252,000 gallons/day; Tank T3-252,000 gallons/day; Tank T18-68,500 gallons/day; Tank T19-68,500 gallons/
Total Line 4:	day. 641,000 gallons/day

Line 5:	**D80- Landfill Disposal**
Trench 12:	1,660,000 cubic yards (above and below grade).
Trench 13:	8,600,000 cubic yards (above and below grade.)
Total Line 5:	10,260,000 cubic yards.

Debris Categories:	Toxicity characteristic debris
	Debris contaminated with listed waste
	Cyanide reactive debris
	Waste PCB debris

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CONTINUATION FORM

7. Description of Hazardous Wastes (Enter codes for items 7.A, 7.C and 7.D (1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (If code is not entered in 7.D1)
1	D001	805	T	S01 T01 D80	
2	D002	16748	T	S01 T01 D80	
3	D003	18236	T	S01 T01 D80	
4	D004	11492	T	S01 T01 D80	
5	D005	6819	T	S01 T01 D80	
6	D006	21289	T	S01 T01 D80	
7	D007	26115	T	S01 T01 D80	
8	D008	86307	T	S01 T01 D80	
9	D009	5781	T	S01 T01 D80	
10	D010	8465	T	S01 T01 D80	
11	D011	15333	T	S01 T01 D80	
12	D012	1267	T	S01 T01 D80	
13	D013	111	T	S01 T01 D80	
14	D014	111	T	S01 T01 D80	
15	D015	189	T	S01 T01 D80	
16	D016	113	T	S01 T01 D80	
17	D017	111	T	S01 T01 D80	
18	D018	767	T	S01 T01 D80	
19	D019	160	T	S01 T01 D80	
20	D020	179	T	S01 T01 D80	
21	D021	144	T	S01 T01 D80	
22	D022	334	T	S01 T01 D80	
23	D023	130	T	S01 T01 D80	
24	D024	130	T	S01 T01 D80	
25	D025	130	T	S01 T01 D80	
26	D026	223	T	S01 T01 D80	
27	D027	133	T	S01 T01 D80	
28	D028	317	T	S01 T01 D80	
29	D029	142	T	S01 T01 D80	
30	D030	186	T	S01 T01 D80	
31	D031	111	T	S01 T01 D80	
32	D032	205	T	S01 T01 D80	
33	D033	135	T	S01 T01 D80	
34	D034	122	T	S01 T01 D80	
35	D035	31	T	S01 T01 D80	
36	D036	130	T	S01 T01 D80	
37	D037	214	T	S01 T01 D80	
38	D038	222	T	S01 T01 D80	
39	D039	530	T	S01 T01 D80	
40	D040	510	T	S01 T01 D80	
41	D041	122	T	S01 T01 D80	
42	D042	122	T	S01 T01 D80	
43	D043	227	T	S01 T01 D80	
44	F001	574	T	S01 T01 D80	
45	F002	2082	T	S01 T01 D80	
46	F003	1109	T	S01 T01 D80	
47	F004	353	T	S01 T01 D80	
48	F005	837	T	S01 T01 D80	
49	F006	9643	T	S01 T01 D80	
50	F007	4328	T	S01 T01 D80	
51	F008	3275	T	S01 T01 D80	
52	F009	2988	T	S01 T01 D80	
53	F010	1016	T	S01 T01 D80	
54	F011	2128	T	S01 T01 D80	
55	F012	3060	T	S01 T01 D80	
56	F019	3670	T	S01 T01 D80	
57	F020	49	T	S01 T01 D80	
58	F021	49	T	S01 T01 D80	
59	F022	1	T	S01 T01 D80	
60	F023	1	T	S01 T01 D80	
61	F024	1	T	S01 T01 D80	
62	F025	49	T	S01 T01 D80	
63	F026	49	T	S01 T01 D80	
64	F027	49	T	S01 T01 D80	
65	F028	49	T	S01 T01 D80	
66	F032	148	T	S01 T01 D80	
67	F034	127	T	S01 T01 D80	
68	F035	208	T	S01 T01 D80	
69	F037	247	T	S01 T01 D80	
70	F038	150	T	S01 T01 D80	
71	F039	611	T	S01 T01 D80	
72	K001	80	T	S01 T01 D80	
73	K002	72	T	S01 T01 D80	
74	K003	72	T	S01 T01 D80	
75	K004	72	T	S01 T01 D80	

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7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D (1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1)
76	K005	72	T	S01 T01 D80	
77	K006	72	T	S01 T01 D80	
78	K007	72	T	S01 T01 D80	
79	K008	72	T	S01 T01 D80	
80	K009	72	T	S01 T01 D80	
81	K010	72	T	S01 T01 D80	
82	K011	72	T	S01 T01 D80	
83	K013	23	T	S01 T01 D80	
84	K014	23	T	S01 T01 D80	
85	K015	23	T	S01 T01 D80	
86	K016	72	T	S01 T01 D80	
87	K017	72	T	S01 T01 D80	
88	K018	72	T	S01 T01 D80	
89	K019	72	T	S01 T01 D80	
90	K020	72	T	S01 T01 D80	
91	K021	72	T	S01 T01 D80	
92	K022	72	T	S01 T01 D80	
93	K023	72	T	S01 T01 D80	
94	K024	72	T	S01 T01 D80	
95	K025	72	T	S01 T01 D80	
96	K026	72	T	S01 T01 D80	
97	K027	72	T	S01 T01 D80	
98	K028	72	T	S01 T01 D80	
99	K029	72	T	S01 T01 D80	
100	K030	72	T	S01 T01 D80	
101	K031	72	T	S01 T01 D80	
102	K032	72	T	S01 T01 D80	
103	K033	72	T	S01 T01 D80	
104	K034	72	T	S01 T01 D80	
105	K035	72	T	S01 T01 D80	
106	K036	72	T	S01 T01 D80	
107	K037	72	T	S01 T01 D80	
108	K038	72	T	S01 T01 D80	
109	K039	72	T	S01 T01 D80	
110	K040	72	T	S01 T01 D80	
111	K041	72	T	S01 T01 D80	
112	K042	72	T	S01 T01 D80	
113	K043	72	T	S01 T01 D80	
114	K044	49	T	S01 T01 D80	
115	K045	49	T	S01 T01 D80	
116	K046	156	T	S01 T01 D80	
117	K047	49	T	S01 T01 D80	
118	K048	93	T	S01 T01 D80	
119	K049	93	T	S01 T01 D80	
120	K050	248	T	S01 T01 D80	
121	K051	101	T	S01 T01 D80	
122	K052	93	T	S01 T01 D80	
123	K060	72	T	S01 T01 D80	
124	K061	2278	T	S01 T01 D80	
125	K062	604	T	S01 T01 D80	
126	K069	2552	T	S01 T01 D80	
127	K071	72	T	S01 T01 D80	
128	K073	72	T	S01 T01 D80	
129	K083	72	T	S01 T01 D80	
130	K084	23	T	S01 T01 D80	
131	K085	72	T	S01 T01 D80	
132	K086	72	T	S01 T01 D80	
133	K087	81	T	S01 T01 D80	
134	K088	72	T	S01 T01 D80	
135	K090	49	T	S01 T01 D80	
136	K091	72	T	S01 T01 D80	
137	K092	49	T	S01 T01 D80	
138	K093	49	T	S01 T01 D80	
139	K094	49	T	S01 T01 D80	
140	K095	49	T	S01 T01 D80	
141	K096	49	T	S01 T01 D80	
142	K097	49	T	S01 T01 D80	
143	K098	49	T	S01 T01 D80	
144	K099	49	T	S01 T01 D80	
145	K100	49	T	S01 T01 D80	
146	K101	49	T	S01 T01 D80	
147	K102	49	T	S01 T01 D80	
148	K103	49	T	S01 T01 D80	
149	K104	49	T	S01 T01 D80	
150	K105	49	T	S01 T01 D80	
151	K106	49	T	S01 T01 D80	
152	K107	49	T	S01 T01 D80	
153	K108	49	T	S01 T01 D80	
154	K109	49	T	S01 T01 D80	
155	K110	49	T	S01 T01 D80	
156	K111	49	T	S01 T01 D80	
157	K112	49	T	S01 T01 D80	
158	K113	49	T	S01 T01 D80	
159	K114	49	T	S01 T01 D80	
160	K115	49	T	S01 T01 D80	
161	K116	49	T	S01 T01 D80	
162	K117	49	T	S01 T01 D80	
163	K118	49	T	S01 T01 D80	
164	K123	49	T	S01 T01 D80	
165	K124	49	T	S01 T01 D80	
166	K125	49	T	S01 T01 D80	
167	K126	49	T	S01 T01 D80	
168	K131	49	T	S01 T01 D80	
169	K132	49	T	S01 T01 D80	
170	K136	49	T	S01 T01 D80	
171	K141	49	T	S01 T01 D80	
172	K142	49	T	S01 T01 D80	
173	K143	49	T	S01 T01 D80	
174	K144	49	T	S01 T01 D80	
175	K145	49	T	S01 T01 D80	
176	K147	49	T	S01 T01 D80	
177	K148	49	T	S01 T01 D80	
178	K149	49	T	S01 T01 D80	
179	K150	49	T	S01 T01 D80	
180	K151	49	T	S01 T01 D80	

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7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D (1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1)
150	K108	49	T	S01 T01 D80	
151	K109	49	T	S01 T01 D80	
152	K110	49	T	S01 T01 D80	
153	K111	72	T	S01 T01 D80	
154	K112	72	T	S01 T01 D80	
155	K113	72	T	S01 T01 D80	
156	K114	72	T	S01 T01 D80	
157	K115	72	T	S01 T01 D80	
158	K116	49	T	S01 T01 D80	
159	K117	49	T	S01 T01 D80	
160	K118	72	T	S01 T01 D80	
161	K123	49	T	S01 T01 D80	
162	K124	49	T	S01 T01 D80	
163	K125	49	T	S01 T01 D80	
164	K126	49	T	S01 T01 D80	
165	K131	49	T	S01 T01 D80	
166	K132	49	T	S01 T01 D80	
167	K136	49	T	S01 T01 D80	
168	K141	49	T	S01 T01 D80	
169	K142	49	T	S01 T01 D80	
170	K143	49	T	S01 T01 D80	
171	K144	50	T	S01 T01 D80	
172	K145	49	T	S01 T01 D80	
173	K147	49	T	S01 T01 D80	
174	K148	49	T	S01 T01 D80	
175	K149	49	T	S01 T01 D80	
176	K150	49	T	S01 T01 D80	
177	K151	49	T	S01 T01 D80	
178	K156	49	T	S01 T01 D80	
179	K157	49	T	S01 T01 D80	
180	K158	49	T	S01 T01 D80	
181	K159	180	T	S01 T01 D80	
182	K161	71	T	S01 T01 D80	
183	K169	339	T	S01 T01 D80	
184	K170	271	T	S01 T01 D80	
185	K171	49	T	S01 T01 D80	
186	K172	49	T	S01 T01 D80	
187	K174	49	T	S01 T01 D80	
188	K175	49	T	S01 T01 D80	
189	K176	49	T	S01 T01 D80	
190	K177	49	T	S01 T01 D80	
191	K178	49	T	S01 T01 D80	
192	K181	49	T	S01 T01 D80	
193	P001	1	T	S01 T01 D80	
194	P002	23	T	S01 T01 D80	
195	P003	23	T	S01 T01 D80	
196	P004	23	T	S01 T01 D80	
197	P005	23	T	S01 T01 D80	
198	P006	23	T	S01 T01 D80	
199	P007	23	T	S01 T01 D80	
200	P008	23	T	S01 T01 D80	
201	P009	1	T	S01 T01 D80	
202	P010	23	T	S01 T01 D80	
203	P011	23	T	S01 T01 D80	
204	P012	23	T	S01 T01 D80	
205	P013	23	T	S01 T01 D80	
206	P014	23	T	S01 T01 D80	
207	P015	23	T	S01 T01 D80	
208	P016	23	T	S01 T01 D80	
209	P017	23	T	S01 T01 D80	
210	P018	23	T	S01 T01 D80	
211	P020	23	T	S01 T01 D80	
212	P021	23	T	S01 T01 D80	
213	P022	23	T	S01 T01 D80	
214	P023	23	T	S01 T01 D80	
215	P024	23	T	S01 T01 D80	
216	P026	23	T	S01 T01 D80	
217	P027	23	T	S01 T01 D80	
218	P028	23	T	S01 T01 D80	
219	P029	556	T	S01 T01 D80	
220	P030	556	T	S01 T01 D80	
221	P031	23	T	S01 T01 D80	
222	P033	23	T	S01 T01 D80	
223	P034	23	T	S01 T01 D80	
224	P036	23	T	S01 T01 D80	
225	P037	23	T	S01 T01 D80	

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7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D (1))

Line No.			A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes									
									(1) Process Codes									(2) Process Description (If code is not entered in 7.D1)
2	2	6	p	0	3	8	23	T	S	0	1	T	0	1	D	8	0	
2	2	7	p	0	3	9	23	T	S	0	1	T	0	1	D	8	0	
2	2	8	p	0	4	0	23	T	S	0	1	T	0	1	D	8	0	
2	2	9	p	0	4	1	23	T	S	0	1	T	0	1	D	8	0	
2	3	0	p	0	4	2	23	T	S	0	1	T	0	1	D	8	0	
2	3	1	p	0	4	3	23	T	S	0	1	T	0	1	D	8	0	
2	3	2	p	0	4	4	23	T	S	0	1	T	0	1	D	8	0	
2	3	3	p	0	4	5	23	T	S	0	1	T	0	1	D	8	0	
2	3	4	p	0	4	6	23	T	S	0	1	T	0	1	D	8	0	
2	3	5	p	0	4	7	23	T	S	0	1	T	0	1	D	8	0	
2	3	6	p	0	4	8	23	T	S	0	1	T	0	1	D	8	0	
2	3	7	p	0	4	9	23	T	S	0	1	T	0	1	D	8	0	
2	3	8	p	0	5	0	52	T	S	0	1	T	0	1	D	8	0	
2	3	9	p	0	5	1	23	T	S	0	1	T	0	1	D	8	0	
2	4	0	p	0	5	4	23	T	S	0	1	T	0	1	D	8	0	
2	4	1	p	0	5	6	23	T	S	0	1	T	0	1	D	8	0	
2	4	2	p	0	5	7	23	T	S	0	1	T	0	1	D	8	0	
2	4	3	p	0	5	8	23	T	S	0	1	T	0	1	D	8	0	
2	4	4	p	0	5	9	23	T	S	0	1	T	0	1	D	8	0	
2	4	5	p	0	6	0	23	T	S	0	1	T	0	1	D	8	0	
2	4	6	p	0	6	2	23	T	S	0	1	T	0	1	D	8	0	
2	4	7	p	0	6	3	23	T	S	0	1	T	0	1	D	8	0	
2	4	8	p	0	6	4	23	T	S	0	1	T	0	1	D	8	0	
2	4	9	P	0	6	5	1	T	S	0	1	T	0	1	D	8	0	
2	5	0	p	0	6	6	1	T	S	0	1	T	0	1	D	8	0	
2	5	1	p	0	6	7	23	T	S	0	1	T	0	1	D	8	0	
2	5	2	p	0	6	8	23	T	S	0	1	T	0	1	D	8	0	
2	5	3	p	0	6	9	23	T	S	0	1	T	0	1	D	8	0	
2	5	4	p	0	7	0	23	T	S	0	1	T	0	1	D	8	0	
2	5	5	p	0	7	1	23	T	S	0	1	T	0	1	D	8	0	
2	5	6	p	0	7	2	23	T	S	0	1	T	0	1	D	8	0	
2	5	7	p	0	7	3	23	T	S	0	1	T	0	1	D	8	0	
2	5	8	p	0	7	4	23	T	S	0	1	T	0	1	D	8	0	
2	5	9	p	0	7	5	23	T	S	0	1	T	0	1	D	8	0	
2	6	0	p	0	7	6	35	T	S	0	1	T	0	1	D	8	0	
2	6	1	p	0	7	7	23	T	S	0	1	T	0	1	D	8	0	
2	6	2	p	0	7	8	23	T	S	0	1	T	0	1	D	8	0	
2	6	3	p	0	8	1	1	T	S	0	1	T	0	1	D	8	0	
2	6	4	p	0	8	2	23	T	S	0	1	T	0	1	D	8	0	
2	6	5	p	0	8	4	23	T	S	0	1	T	0	1	D	8	0	
2	6	6	p	0	8	5	23	T	S	0	1	T	0	1	D	8	0	
2	6	7	p	0	8	7	23	T	S	0	1	T	0	1	D	8	0	
2	6	8	p	0	8	8	23	T	S	0	1	T	0	1	D	8	0	
2	6	9	p	0	8	9	23	T	S	0	1	T	0	1	D	8	0	
2	7	0	p	0	9	2	23	T	S	0	1	T	0	1	D	8	0	
2	7	1	p	0	9	3	23	T	S	0	1	T	0	1	D	8	0	
2	7	2	p	0	9	4	23	T	S	0	1	T	0	1	D	8	0	
2	7	3	P	0	9	5	1	T	S	0	1	T	0	1	D	8	0	
2	7	4	p	0	9	6	23	T	S	0	1	T	0	1	D	8	0	
2	7	5	p	0	9	7	23	T	S	0	1	T	0	1	D	8	0	
2	7	6	p	0	9	8	556	T	S	0	1	T	0	1	D	8	0	
2	7	7	p	0	9	9	23	T	S	0	1	T	0	1	D	8	0	
2	7	8	p	1	0	1	23	T	S	0	1	T	0	1	D	8	0	
2	7	9	p	1	0	2	23	T	S	0	1	T	0	1	D	8	0	
2	8	0	p	1	0	3	23	T	S	0	1	T	0	1	D	8	0	
2	8	1	p	1	0	4	556	T	S	0	1	T	0	1	D	8	0	
2	8	2	p	1	0	5	1	T	S	0	1	T	0	1	D	8	0	
2	8	3	p	1	0	6	556	T	S	0	1	T	0	1	D	8	0	
2	8	4	p	1	0	8	23	T	S	0	1	T	0	1	D	8	0	
2	8	5	p	1	0	9	23	T	S	0	1	T	0	1	D	8	0	
2	8	6	p	1	1	0	23	T	S	0	1	T	0	1	D	8	0	
2	8	7	p	1	1	1	23	T	S	0	1	T	0	1	D	8	0	
2	8	8	p	1	1	2	23	T	S	0	1	T	0	1	D	8	0	
2	8	9	p	1	1	3	23	T	S	0	1	T	0	1	D	8	0	
2	9	0	p	1	1	4	23	T	S	0	1	T	0	1	D	8	0	
2	9	1	p	1	1	5	23	T	S	0	1	T	0	1	D	8	0	
2	9	2	p	1	1	6	23	T	S	0	1	T	0	1	D	8	0	
2	9	3	p	1	1	8	23	T	S	0	1	T	0	1	D	8	0	
2	9	4	p	1	1	9	23	T	S	0	1	T	0	1	D	8	0	
2	9	5	p	1	2	0	25	T	S	0	1	T	0	1	D	8	0	
2	9	6	p	1	2	1	638	T	S	0	1	T	0	1	D	8	0	
2	9	7	p	1	2	2	23	T	S	0	1	T	0	1	D	8	0	
2	9	8	p	1	2	3	23	T	S	0	1	T	0	1	D	8	0	
2	9	9	p	1	2	7	30	T	S	0	1	T	0	1	D	8	0	
3	0	0	p	1	2	8	1	T	S	0	1	T	0	1	D	8	0	

CONTINUATION FORM

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D (1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1)
301	P185	1	T	S01 T01 D80	
302	P188	1	T	S01 T01 D80	
303	P189	1	T	S01 T01 D80	
304	P190	1	T	S01 T01 D80	
305	P191	1	T	S01 T01 D80	
306	P192	1	T	S01 T01 D80	
307	P194	1	T	S01 T01 D80	
308	P196	1	T	S01 T01 D80	
309	P197	1	T	S01 T01 D80	
310	P198	1	T	S01 T01 D80	
311	P199	1	T	S01 T01 D80	
312	P201	1	T	S01 T01 D80	
313	P202	1	T	S01 T01 D80	
314	P203	1	T	S01 T01 D80	
315	P204	1	T	S01 T01 D80	
316	P205	1	T	S01 T01 D80	
317	U001	23	T	S01 T01 D80	
318	U002	137	T	S01 T01 D80	
319	U003	116	T	S01 T01 D80	
320	U004	23	T	S01 T01 D80	
321	U005	23	T	S01 T01 D80	
322	U006	23	T	S01 T01 D80	
323	U007	23	T	S01 T01 D80	
324	U008	23	T	S01 T01 D80	
325	U009	23	T	S01 T01 D80	
326	U010	23	T	S01 T01 D80	
327	U011	23	T	S01 T01 D80	
328	U012	23	T	S01 T01 D80	
329	U014	23	T	S01 T01 D80	
330	U015	23	T	S01 T01 D80	
331	U016	23	T	S01 T01 D80	
332	U017	23	T	S01 T01 D80	
333	U018	23	T	S01 T01 D80	
334	U019	23	T	S01 T01 D80	
335	U020	23	T	S01 T01 D80	
336	U021	23	T	S01 T01 D80	
337	U022	23	T	S01 T01 D80	
338	U023	23	T	S01 T01 D80	
339	U024	23	T	S01 T01 D80	
340	U025	23	T	S01 T01 D80	
341	U026	23	T	S01 T01 D80	
342	U027	23	T	S01 T01 D80	
343	U028	23	T	S01 T01 D80	
344	U029	23	T	S01 T01 D80	
345	U030	23	T	S01 T01 D80	
346	U031	23	T	S01 T01 D80	
347	U032	23	T	S01 T01 D80	
348	U033	23	T	S01 T01 D80	
349	U034	23	T	S01 T01 D80	
350	U035	23	T	S01 T01 D80	
351	U036	23	T	S01 T01 D80	
352	U037	23	T	S01 T01 D80	
353	U038	23	T	S01 T01 D80	
354	U039	23	T	S01 T01 D80	
355	U041	23	T	S01 T01 D80	
356	U042	23	T	S01 T01 D80	
357	U043	23	T	S01 T01 D80	
358	U044	23	T	S01 T01 D80	
359	U045	23	T	S01 T01 D80	
360	U046	23	T	S01 T01 D80	
361	U047	23	T	S01 T01 D80	
362	U048	23	T	S01 T01 D80	
363	U049	23	T	S01 T01 D80	
364	U050	23	T	S01 T01 D80	
365	U051	23	T	S01 T01 D80	
366	U052	23	T	S01 T01 D80	
367	U053	23	T	S01 T01 D80	
368	U055	23	T	S01 T01 D80	
369	U056	23	T	S01 T01 D80	
370	U057	23	T	S01 T01 D80	
371	U058	23	T	S01 T01 D80	
372	U059	23	T	S01 T01 D80	
373	U060	23	T	S01 T01 D80	
374	U061	23	T	S01 T01 D80	
375	U062	23	T	S01 T01 D80	
376	U063	23	T	S01 T01 D80	
377	U064	23	T	S01 T01 D80	
378	U066	23	T	S01 T01 D80	
379	U067	23	T	S01 T01 D80	
380	U068	23	T	S01 T01 D80	
381	U069	23	T	S01 T01 D80	
382	U070	23	T	S01 T01 D80	
383	U071	23	T	S01 T01 D80	
384	U072	23	T	S01 T01 D80	
385	U073	23	T	S01 T01 D80	
386	U074	23	T	S01 T01 D80	
387	U075	23	T	S01 T01 D80	
388	U076	23	T	S01 T01 D80	
389	U077	23	T	S01 T01 D80	
390	U078	23	T	S01 T01 D80	
391	U079	23	T	S01 T01 D80	
392	U080	23	T	S01 T01 D80	
393	U081	23	T	S01 T01 D80	
394	U082	23	T	S01 T01 D80	
395	U083	23	T	S01 T01 D80	
396	U084	23	T	S01 T01 D80	
397	U085	23	T	S01 T01 D80	
398	U086	23	T	S01 T01 D80	
399	U087	23	T	S01 T01 D80	
3100	U088	23	T	S01 T01 D80	
3101	U089	23	T	S01 T01 D80	
3102	U090	23	T	S01 T01 D80	
3103	U091	23	T	S01 T01 D80	
3104	U092	23	T	S01 T01 D80	
3105	U093	23	T	S01 T01 D80	
3106	U094	23	T	S01 T01 D80	
3107	U095	23	T	S01 T01 D80	
3108	U096	23	T	S01 T01 D80	
3109	U097	23	T	S01 T01 D80	
3110	U098	23	T	S01 T01 D80	
3111	U099	23	T	S01 T01 D80	
3112	U101	23	T	S01 T01 D80	
3113	U102	23	T	S01 T01 D80	
3114	U103	23	T	S01 T01 D80	
3115	U105	23	T	S01 T01 D80	
3116	U106	23	T	S01 T01 D80	
3117	U107	23	T	S01 T01 D80	
3118	U108	23	T	S01 T01 D80	
3119	U109	23	T	S01 T01 D80	
3120	U110	23	T	S01 T01 D80	
3121	U111	23	T	S01 T01 D80	
3122	U112	23	T	S01 T01 D80	
3123	U113	23	T	S01 T01 D80	
3124	U114	23	T	S01 T01 D80	
3125	U115	23	T	S01 T01 D80	
3126	U116	23	T	S01 T01 D80	
3127	U117	23	T	S01 T01 D80	
3128	U118	23	T	S01 T01 D80	
3129	U119	23	T	S01 T01 D80	
3130	U120	23	T	S01 T01 D80	
3131	U121	23	T	S01 T01 D80	
3132	U122	23	T	S01 T01 D80	
3133	U123	23	T	S01 T01 D80	
3134	U124	23	T	S01 T01 D80	
3135	U125	23	T	S01 T01 D80	
3136	U126	23	T	S01 T01 D80	
3137	U127	23	T	S01 T01 D80	
3138	U128	23	T	S01 T01 D80	
3139	U129	23	T	S01 T01 D80	
3140	U130	23	T	S01 T01 D80	
3141	U131	23	T	S01 T01 D80	
3142	U132	23	T	S01 T01 D80	
3143	U133	23	T	S01 T01 D80	
3144	U134	23	T	S01 T01 D80	
3145	U135	23	T	S01 T01 D80	
3146	U136	23	T	S01 T01 D80	
3147	U137	23	T	S01 T01 D80	
3148	U138	23	T	S01 T01 D80	
3149	U139	23	T	S01 T01 D80	
3150	U140	23	T	S01 T01 D80	
3151	U141	23	T	S01 T01 D80	
3152	U142	23	T	S01 T01 D80	
3153	U143	23	T	S01 T01 D80	
3154	U144	23	T	S01 T01 D80	
3155	U145	23	T	S01 T01 D80	
3156	U146	23	T	S01 T01 D80	
3157	U147	23	T	S01 T01 D80	
3158	U148	23	T	S01 T01 D80	
3159	U149	23	T	S01 T01 D80	
3160	U150	23	T	S01 T01 D80	
3161	U151	23	T	S01 T01 D80	
3162	U152	23	T	S01 T01 D80	
3163	U153	23	T	S01 T01 D80	
3164	U154	23	T	S01 T01 D80	
3165	U155	23	T	S01 T01 D80	
3166	U156	23	T	S01 T01 D80	
3167	U157	23	T	S01 T01 D80	
3168	U158	23	T	S01 T01 D80	
3169	U159	23	T	S01 T01 D80	
3170	U160	23	T	S01 T01 D80	
3171	U161	23	T	S01 T01 D80	
3172	U162	23	T	S01 T01 D80	
3173	U163	23	T	S01 T01 D80	
3174	U164	23	T	S01 T01 D80	
3175	U165	23	T	S01 T01 D80	
3176	U166	23	T	S01 T01 D80	
3177	U167	23	T	S01 T01 D80	
3178	U168	23	T	S01 T01 D80	
3179	U169	23	T	S01 T01 D80	
3180	U170	23	T	S01 T01 D80	
3181	U171	23	T	S01 T01 D80	
3182	U172	23	T	S01 T01 D80	
3183	U173	23	T	S01 T01 D80	
3184	U174	23	T	S01 T01 D80	
3185	U176	23	T	S01 T01 D80	
3186	U177	23	T	S01 T01 D80	
3187	U178	23	T	S01 T01 D80	
3188	U179	23	T	S01 T01 D80	
3189	U180	23	T	S01 T01 D80	
3190	U181	23	T	S01 T01 D80	
3191	U182	23	T	S01 T01 D80	
3192	U183	23	T	S01 T01 D80	
3193	U184	23	T	S01 T01 D80	
3194	U185	23	T	S01 T01 D80	
3195	U186	23	T	S01 T01 D80	
3196	U187	23	T	S01 T01 D80	
3197	U188	23	T	S01 T01 D80	
3198	U189	23	T	S01 T01 D80	
3199	U190	23	T	S01 T01 D80	
3200	U191	23	T	S01 T01 D80	
3201	U192	23	T	S01 T01 D80	
3202	U193	23	T	S01 T01 D80	
3203	U194	23	T	S01 T01 D80	
3204	U196	23	T	S01 T01 D80	
3205	U197	23	T	S01 T01 D80	
3206	U200	23	T	S01 T01 D80	
3207	U201	23	T	S01 T01 D80	
3208	U202	23	T	S01 T01 D80	
3209	U203	23	T	S01 T01 D80	
3210	U204	23	T	S01 T01 D80	
3211	U205	23	T	S01 T01 D80	
3212	U206	23	T	S01 T01 D80	
3213	U207	23	T	S01 T01 D80	
3214	U208	23	T	S01 T01 D80	
3215	U209	23	T	S01 T01 D80	
3216	U210	23	T	S01 T01 D80	
3217	U211	23	T	S01 T01 D80	
3218	U213	23	T	S01 T01 D80	
3219	U214	23	T	S01 T01 D80	
3220	U215	23	T	S01 T01 D80	
3221	U216	23	T	S01 T01 D80	
3222	U217	23	T	S01 T01 D80	
3223	U218	23	T	S01 T01 D80	
3224	U219	23	T	S01 T01 D80	
3225	U220	23	T	S01 T01 D80	
3226	U221	23	T	S01 T01 D80	
3227	U222	23	T	S01 T01 D80	
3228	U223	23	T	S01 T01 D80	
3229	U225	23	T	S01 T01 D80	
3230	U226	23	T	S01 T01 D80	
3231	U227	23	T	S01 T01 D80	
3232	U228	23	T	S01 T01 D80	
3233	U234	23	T	S01 T01 D80	
3234	U235	23	T	S01 T01 D80	
3235	U236	23	T	S01 T01 D80	
3236	U237	23	T	S01 T01 D80	
3237	U238	23	T	S01 T01 D80	
3238	U239	23	T	S01 T01 D80	
3239	U240	23	T	S01 T01 D80	
3240	U243	23	T	S01 T01 D80	
3241	U244	23	T	S01 T01 D80	
3242	U246	23	T	S01 T01 D80	
3243	U247	23	T	S01 T01 D80	
3244	U248	23	T	S01 T01 D80	
3245	U249	23	T	S01 T01 D80	
3246	U271	23	T	S01 T01 D80	
3247	U277	23	T	S01 T01 D80	
3248	U278	23	T	S01 T01 D80	
3249	U279	23	T	S01 T01 D80	
3250	U280	23	T	S01 T01 D80	
3251	U328	23	T	S01 T01 D80	
3252	U353	23	T	S01 T01 D80	
3253	U359	23	T	S01 T01 D80	
3254	U364	23	T	S01 T01 D80	
3255	U367	23	T	S01 T01 D80	
3256	U372	23	T	S01 T01 D80	
3257	U373	23	T	S01 T01 D80	
3258	U375	23	T	S01 T01 D80	
3259	U376	23	T	S01 T01 D80	
3260	U377	23	T	S01 T01 D80	
3261	U378	23	T	S01 T01 D80	
3262	U379	23	T	S01 T01 D80	
3263	U381	23	T	S01 T01 D80	
3264	U382	23	T	S01 T01 D80	
3265	U383	23	T	S01 T01 D80	
3266	U384	23	T	S01 T01 D80	
3267	U385	23	T	S01 T01 D80	
3268	U386	23	T	S01 T01 D80	
3269	U387	23	T	S01 T01 D80	
3270	U389	23	T	S01 T01 D80	
3271	U390	23	T	S01 T01 D80	
3272	U391	23	T	S01 T01 D80	
3273	U392	23	T	S01 T01 D80	
3274	U393	23	T	S01 T01 D80	
3275	U394	23	T	S01 T01 D80	
3276	U395	23	T	S01 T01 D80	
3277	U396	23	T	S01 T01 D80	
3278	U400	23	T	S01 T01 D80	
3279	U401	23	T	S01 T01 D80	
3280	U402	23	T	S01 T01 D80	
3281	U403	23	T	S01 T01 D80	
3282	U404	23	T	S01 T01 D80	
3283	U407	23	T	S01 T01 D80	
3284	U409	23	T	S01 T01 D80	
3285	U410	23	T	S01 T01 D80	
3286	U411	23	T	S01 T01 D80	
3287	U412	23	T	S01 T01 D80	
3288	U413	23	T	S01 T01 D80	
3289	U414	23	T	S01 T01 D80	
3290	U415	23	T	S01 T01 D80	
3291	U416	23	T	S01 T01 D80	
3292	U417	23	T	S01 T01 D80	
3293	U418	23	T	S01 T01 D80	
3294	U419	23	T	S01 T01 D80	
3295	U420	23	T	S01 T01 D80	
3296	U328	23	T	S01 T01 D80	
3297	U353	23	T	S01 T01 D80	
3298	U359	23	T	S01 T01 D80	
3299	U364	23	T	S01 T01 D80	
3300	U367	23	T	S01 T01 D80	

EPA ID Number NVT330010000

Continuation Form to Section 7, OMB# 2050-0024; Expires 05/31/2020

CONTINUATION FORM

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D (1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1)
376	U063	23	T	S01 T01 D80	
377	U064	45	T	S01 T01 D80	
378	U066	23	T	S01 T01 D80	
379	U067	23	T	S01 T01 D80	
380	U068	23	T	S01 T01 D80	
381	U069	23	T	S01 T01 D80	
382	U070	23	T	S01 T01 D80	
383	U071	23	T	S01 T01 D80	
384	U072	23	T	S01 T01 D80	
385	U073	23	T	S01 T01 D80	
386	U074	23	T	S01 T01 D80	
387	U075	23	T	S01 T01 D80	
388	U076	44	T	S01 T01 D80	
389	U077	23	T	S01 T01 D80	
390	U078	44	T	S01 T01 D80	
391	U079	26	T	S01 T01 D80	
392	U080	136	T	S01 T01 D80	
393	U081	23	T	S01 T01 D80	
394	U082	23	T	S01 T01 D80	
395	U083	23	T	S01 T01 D80	
396	U084	23	T	S01 T01 D80	
397	U085	23	T	S01 T01 D80	
398	U086	23	T	S01 T01 D80	
399	U087	23	T	S01 T01 D80	
400	U088	23	T	S01 T01 D80	
401	U089	23	T	S01 T01 D80	
402	U090	23	T	S01 T01 D80	
403	U091	23	T	S01 T01 D80	
404	U092	23	T	S01 T01 D80	
405	U093	23	T	S01 T01 D80	
406	U094	23	T	S01 T01 D80	
407	U095	23	T	S01 T01 D80	
408	U096	23	T	S01 T01 D80	
409	U097	23	T	S01 T01 D80	
410	U098	23	T	S01 T01 D80	
411	U099	23	T	S01 T01 D80	
412	U101	23	T	S01 T01 D80	
413	U102	23	T	S01 T01 D80	
414	U103	23	T	S01 T01 D80	
415	U105	23	T	S01 T01 D80	
416	U106	23	T	S01 T01 D80	
417	U107	23	T	S01 T01 D80	
418	U108	23	T	S01 T01 D80	
419	U109	23	T	S01 T01 D80	
420	U110	23	T	S01 T01 D80	
421	U111	23	T	S01 T01 D80	
422	U112	23	T	S01 T01 D80	
423	U113	23	T	S01 T01 D80	
424	U114	23	T	S01 T01 D80	
425	U115	23	T	S01 T01 D80	
426	U116	23	T	S01 T01 D80	
427	U117	23	T	S01 T01 D80	
428	U118	23	T	S01 T01 D80	
429	U119	23	T	S01 T01 D80	
430	U120	23	T	S01 T01 D80	
431	U121	23	T	S01 T01 D80	
432	U122	23	T	S01 T01 D80	
433	U123	23	T	S01 T01 D80	
434	U124	23	T	S01 T01 D80	
435	U125	23	T	S01 T01 D80	
436	U126	23	T	S01 T01 D80	
437	U127	23	T	S01 T01 D80	
438	U128	23	T	S01 T01 D80	
439	U129	23	T	S01 T01 D80	
440	U130	23	T	S01 T01 D80	
441	U131	23	T	S01 T01 D80	
442	U132	23	T	S01 T01 D80	
443	U133	23	T	S01 T01 D80	
444	U134	23	T	S01 T01 D80	
445	U135	23	T	S01 T01 D80	
446	U136	23	T	S01 T01 D80	
447	U137	23	T	S01 T01 D80	
448	U138	23	T	S01 T01 D80	
449	U139	23	T	S01 T01 D80	
450	U140	23	T	S01 T01 D80	
451	U141	23	T	S01 T01 D80	
452	U142	23	T	S01 T01 D80	
453	U143	23	T	S01 T01 D80	
454	U144	23	T	S01 T01 D80	
455	U145	23	T	S01 T01 D80	
456	U146	23	T	S01 T01 D80	
457	U147	23	T	S01 T01 D80	
458	U148	23	T	S01 T01 D80	
459	U149	23	T	S01 T01 D80	
460	U150	23	T	S01 T01 D80	
461	U151	23	T	S01 T01 D80	
462	U152	23	T	S01 T01 D80	
463	U153	23	T	S01 T01 D80	
464	U154	23	T	S01 T01 D80	
465	U155	23	T	S01 T01 D80	
466	U156	23	T	S01 T01 D80	
467	U157	23	T	S01 T01 D80	
468	U158	23	T	S01 T01 D80	
469	U159	23	T	S01 T01 D80	
470	U160	23	T	S01 T01 D80	
471	U161	23	T	S01 T01 D80	
472	U162	23	T	S01 T01 D80	
473	U163	23	T	S01 T01 D80	
474	U164	23	T	S01 T01 D80	
475	U165	23	T	S01 T01 D80	
476	U166	23	T	S01 T01 D80	
477	U167	23	T	S01 T01 D80	
478	U168	23	T	S01 T01 D80	
479	U169	23	T	S01 T01 D80	
480	U170	23	T	S01 T01 D80	
481	U171	23	T	S01 T01 D80	
482	U172	23	T	S01 T01 D80	
483	U173	23	T	S01 T01 D80	
484	U174	23	T	S01 T01 D80	
485	U176	23	T	S01 T01 D80	
486	U177	23	T	S01 T01 D80	
487	U178	23	T	S01 T01 D80	
488	U179	23	T	S01 T01 D80	
489	U180	23	T	S01 T01 D80	
490	U181	23	T	S01 T01 D80	
491	U182	23	T	S01 T01 D80	
492	U183	23	T	S01 T01 D80	
493	U184	23	T	S01 T01 D80	
494	U185	23	T	S01 T01 D80	
495	U186	23	T	S01 T01 D80	
496	U187	23	T	S01 T01 D80	
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500	U191	23	T	S01 T01 D80	
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504	U196	23	T	S01 T01 D80	
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506	U200	23	T	S01 T01 D80	
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536	U237	23	T	S01 T01 D80	
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567	U386	23	T	S01 T01 D80	
568	U387	23	T	S01 T01 D80	
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580	U403	23	T	S01 T01 D80	
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582	U407	23	T	S01 T01 D80	
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584	U410	23	T	S01 T01 D80	
585	U411	23	T	S01 T01 D80	
586	U412	23	T	S01 T01 D80	
587	U413	23	T	S01 T01 D80	
588	U414	23	T	S01 T01 D80	
589	U415	23	T	S01 T01 D80	
590	U416	23	T	S01 T01 D80	
591	U417	23	T	S01 T01 D80	
592	U418	23	T	S01 T01 D80	
593	U419	23	T	S01 T01 D80	
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595	U328	23	T	S01 T01 D80	
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627	U407	23	T	S01 T01 D80	
628	U409	23	T	S01 T01 D80	
629	U410	23	T	S01 T01 D80	
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637	U418	23	T	S01 T01 D80	
638	U419	23	T	S01 T01 D80	
639	U420	23	T	S01 T01 D80	

CONTINUATION FORM

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D (1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (If code is not entered in 7.D1)
451	U142	23	T	S01 T01 D80	
452	U143	23	T	S01 T01 D80	
453	U144	23	T	S01 T01 D80	
454	U145	24	T	S01 T01 D80	
455	U146	23	T	S01 T01 D80	
456	U147	23	T	S01 T01 D80	
457	U148	23	T	S01 T01 D80	
458	U149	23	T	S01 T01 D80	
459	U150	23	T	S01 T01 D80	
460	U151	23	T	S01 T01 D80	
461	U152	64	T	S01 T01 D80	
462	U153	23	T	S01 T01 D80	
463	U154	23	T	S01 T01 D80	
464	U155	147	T	S01 T01 D80	
465	U156	23	T	S01 T01 D80	
466	U157	23	T	S01 T01 D80	
467	U158	23	T	S01 T01 D80	
468	U159	23	T	S01 T01 D80	
469	U160	34	T	S01 T01 D80	
470	U161	23	T	S01 T01 D80	
471	U162	32	T	S01 T01 D80	
472	U163	23	T	S01 T01 D80	
473	U164	1	T	S01 T01 D80	
474	U165	23	T	S01 T01 D80	
475	U166	32	T	S01 T01 D80	
476	U167	23	T	S01 T01 D80	
477	U168	23	T	S01 T01 D80	
478	U169	23	T	S01 T01 D80	
479	U170	23	T	S01 T01 D80	
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483	U174	23	T	S01 T01 D80	
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485	U176	23	T	S01 T01 D80	
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487	U178	23	T	S01 T01 D80	
488	U179	23	T	S01 T01 D80	
489	U180	23	T	S01 T01 D80	
490	U181	23	T	S01 T01 D80	
491	U182	44	T	S01 T01 D80	
492	U183	32	T	S01 T01 D80	
493	U184	23	T	S01 T01 D80	
494	U185	23	T	S01 T01 D80	
495	U186	23	T	S01 T01 D80	
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497	U188	23	T	S01 T01 D80	
498	U189	23	T	S01 T01 D80	
499	U190	23	T	S01 T01 D80	
500	U191	23	T	S01 T01 D80	
501	U192	23	T	S01 T01 D80	
502	U193	68	T	S01 T01 D80	
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504	U196	23	T	S01 T01 D80	
505	U197	23	T	S01 T01 D80	
506	U200	23	T	S01 T01 D80	
507	U201	23	T	S01 T01 D80	
508	U202	23	T	S01 T01 D80	
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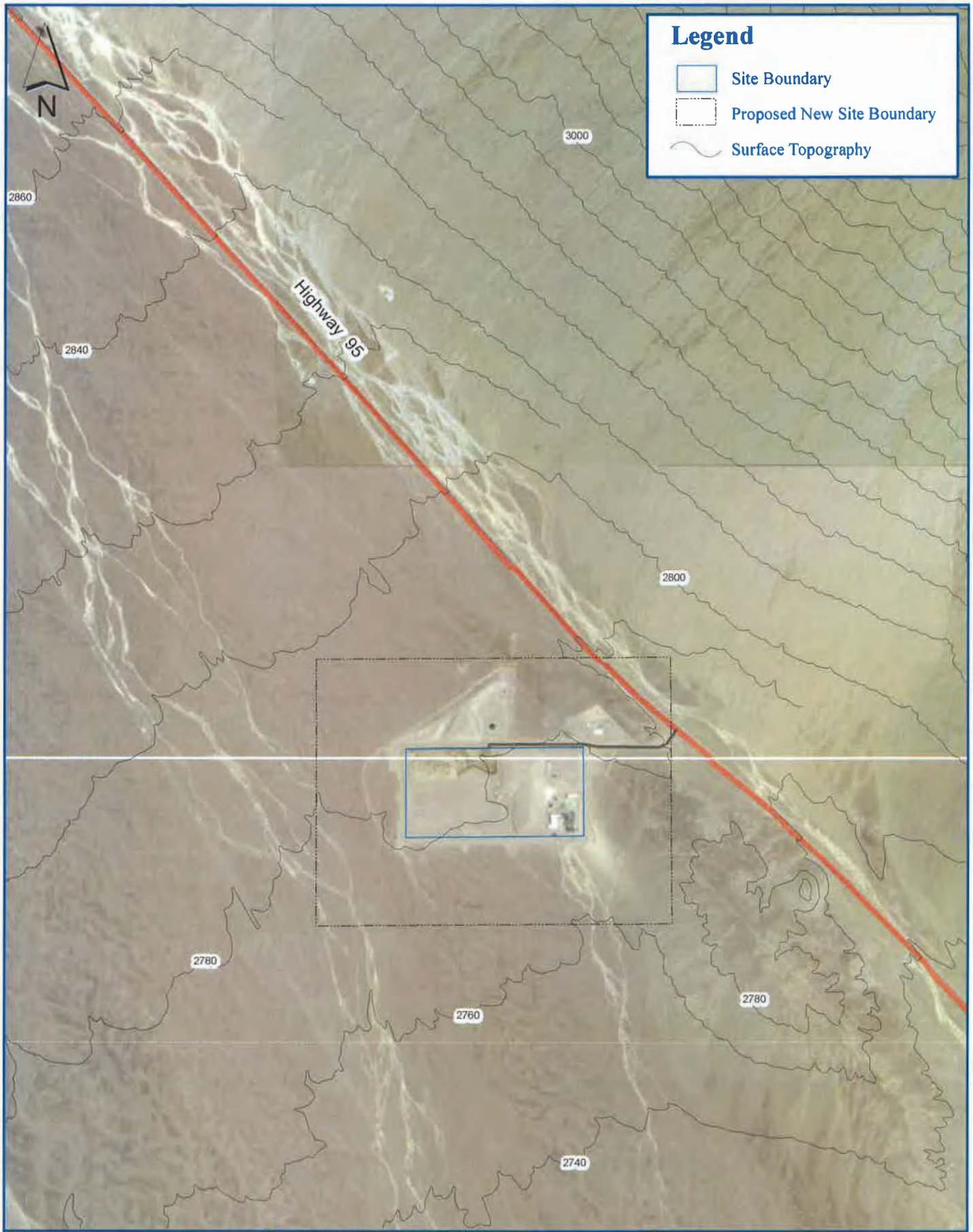
516	U210	23	T	S01 T01 D80	
517	U211	23	T	S01 T01 D80	
518	U213	23	T	S01 T01 D80	
519	U214	1199	T	S01 T01 D80	
520	U215	23	T	S01 T01 D80	

EPA ID Number NVT330010000 | Continuation Form to Section 7, OMB# 2050-0024; Expires 05/31/2020

CONTINUATION FORM

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D (1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1)
526	U223	23	T	S01 T01 D80	
527	U225	23	T	S01 T01 D80	
528	U226	23	T	S01 T01 D80	
529	U227	190	T	S01 T01 D80	
530	U228	23	T	S01 T01 D80	
531	U234	47	T	S01 T01 D80	
532	U235	1	T	S01 T01 D80	
533	U236	23	T	S01 T01 D80	
534	U237	23	T	S01 T01 D80	
535	U238	23	T	S01 T01 D80	
536	U239	23	T	S01 T01 D80	
537	U240	58	T	S01 T01 D80	
538	U243	54	T	S01 T01 D80	
539	U244	1	T	S01 T01 D80	
540	U246	23	T	S01 T01 D80	
541	U247	1	T	S01 T01 D80	
542	U248	23	T	S01 T01 D80	
543	U249	23	T	S01 T01 D80	
544	U271	82	T	S01 T01 D80	
545	U278	1	T	S01 T01 D80	
546	U279	1	T	S01 T01 D80	
547	U280	29	T	S01 T01 D80	
548	U328	1	T	S01 T01 D80	
549	U353	1	T	S01 T01 D80	
550	U359	1	T	S01 T01 D80	
551	U364	23	T	S01 T01 D80	
552	U367	1	T	S01 T01 D80	
553	U372	1	T	S01 T01 D80	
554	U373	1	T	S01 T01 D80	
555	U387	1	T	S01 T01 D80	
556	U389	1	T	S01 T01 D80	
557	U394	1	T	S01 T01 D80	
558	U395	1	T	S01 T01 D80	
559	U404	1	T	S01 T01 D80	
560	U409	1	T	S01 T01 D80	
561	U410	1	T	S01 T01 D80	
562	U411	1	T	S01 T01 D80	

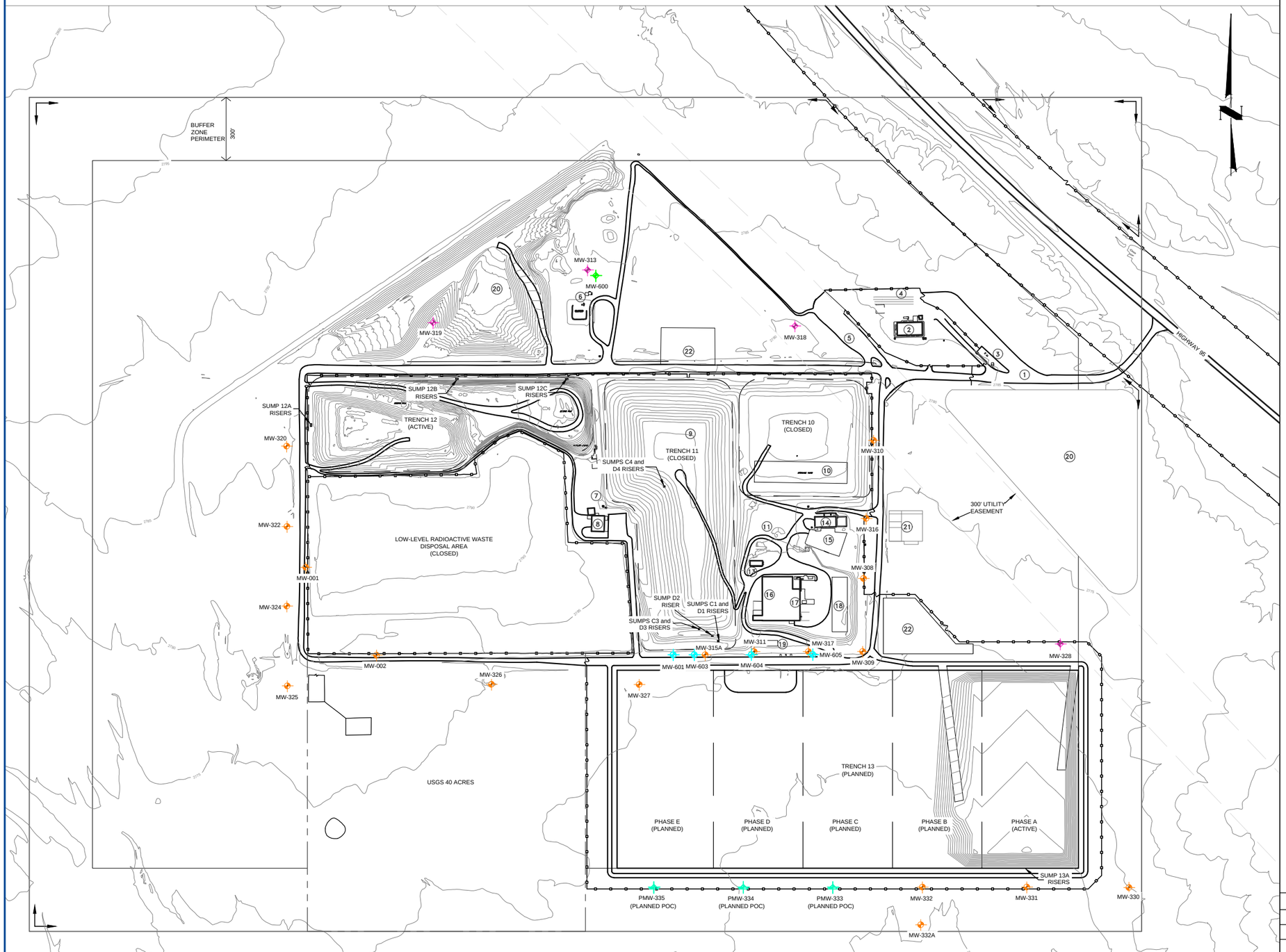


US ecology

LOCATION: BEATTY, NV 89003
DATE: Aug 2016, Rev 1 Pg 21-A
HAZARDOUS WASTE MANAGEMENT FACILITY

AREA TOPOGRAPHIC MAP

0 0.25 0.5
Miles



LEGEND

1. MAIN SITE ENTRANCE
2. ADMINISTRATION OFFICE
3. SECURITY AND DRIVERS TRAILER
4. INBOUND AND OUTBOUND SCALES
5. PROFILING STATION
6. WATER SUPPLY & STORAGE
7. FUEL STORAGE
8. MAINTENANCE SHOP
9. WEATHER STATION AND TRENCH 11 LYSIMETER
10. DRY HAZARDOUS WASTE STORAGE AREA 3
11. OUTDOOR TREATMENT PANS
13. OPERATIONS OFFICE
14. PCB PROCESSING AREA AND STORAGE/PCB TANK FARM
15. RCRA/TSCA STAGING AND AEROSOL RECYCLING UNIT
16. CONTAINER MANAGEMENT AND STORAGE BUILDING
17. INDOOR TREATMENT PANS
18. DRY HAZARDOUS WASTE STORAGE AREA 2
19. EVAPORATION TANK (TRUCK WASH PAD)
20. SOIL STOCKPILE
21. CONTAINER MANAGEMENT AND STORAGE BUILDING #2 (PLANNED)
22. TRUCK STAGING AREA

PMW-333 — PLANNED UPPER WBZ POC MONITORING WELLS

MW-308 — EXISTING UPPER WBZ POC MONITORING WELLS

MW-318 — EXISTING UPPER WBZ BACKGROUND MONITORING WELLS

MW-601 — EXISTING LOWER WBZ SUPPLEMENTAL MONITORING WELL

MW-600 — EXISTING LOWER WBZ SUPPLEMENTAL BACKGROUND MONITORING WELL

POC = POINT OF COMPLIANCE

WBZ = WATER BEARING ZONE

PROPERTY LINE

SECURITY FENCE

ACCESS GATE

INTERNAL ROADWAYS

USGS 40 ACRES

TORTOISE FENCE

MAJOR CONTOUR (5 FEET)

500 0 500 1000

SCALE: 1"= 500'

Drawing provided at 11 inch by 17 inch for convenience. Drawing at 24 inch by 36 inch is available upon request.

DESCRIPTION	DATE

US ecology

US ECOLOGY NEVADA INC.
HAZARDOUS WASTE MANAGEMENT FACILITY
BEATTY, NEVADA

SITE MAP

AquAeTer
optimizing resources | water, air, earth

NMH	DATE 9/24/2019	CHKD. BY CAB	DATE 9/24/2019		DRAWING NO: NA

Photo1- Security Office, staffed 24/7.

Photo 2-Administration building.

Photo 3-Scales by the Administration building

Photo 4-Observation and sample racks.

Photo 5- Lysimeter and weather station, on Trench 11

Photo 6- Maintenance Shop

Photo 7-Dry Hazardous Waste Storage Area 2, view to the north, bounded by yellow posts.

Photo 8-Dry Hazardous Waste Storage Area 3, with the black roll-off bins, bounded by yellow posts. Reagent storage is on the left and right.

Photo 9-PCB Waste and Off-Site Shipments Building

Photo 10-PCB Oil Tank Farm, on the east side of the PCB Building

Photo 11-Container Management Building, north side.

Photo 12-Container Management Building, west side.

Photo 13- Treatment Pans 2 and 3, view to southeast.

Photo 14-Treatment Pans 2 and 3, view to northwest.

Photo 15-View of Trench 13, Phase A, looking south, June 2019

Photo 16-Treatment Pans 4 and 5, with dust control baghouse in the middle. An unloading dock to the Container Management Building is on the left.

Photo 17-View of the west end and north side of Trench 12.

Photo 18-View of the middle and east end of Trench 12, with the Maintenance Shop in the background.

Photo 19-View of the northwest side of Trench 11.

Photo 20-View of the evaporation pad and tank.

Photo 21-View of the Well and Pond.

Photo 22-View of Trench 13 Phase A, June 2019, looking northeast.

Photo 23-View of RCRA and TSCA Waste Staging area, and Aerosol recycling unit

Photo 24-View of planned Aerosol Recycling Unit area, with recovered propellant tank storage farm in the foreground.

Photo 25-View of DEA Storage Cage, partially complete

Photo 26-View of DEA Storage Cage, partially complete

Photo 27-Area of planned Container Management and Storage Building CMS 2, view northeast.

Photo 28-Area of planned Container Management and Storage Building CMS 2, view north.

List of Wastes Restricted from Management at USEN

[See Permit Condition 2.8]

The Permittee is not authorized to receive, treat, store, dispose of, or otherwise manage the following:

1. Any radioactive material that is not exempt from regulation and licensing or is not expressly authorized for disposal under this Permit or any radioactive or nuclear waste material, which requires specific licensing or permitting under any other rules of state or federal authorities for disposal or transshipment;
2. Compressed or pressurized gases which are a hazardous waste (not to include retail aerosol containers, retail propane/butane cylinders of 1 lb or less, or automotive struts);
3. Class 1, Division 1.1 or 1.2, or forbidden explosives (49 CFR Part 173.50), or any explosive material, as defined by USDOT under 49 CFR Part 173;
4. Biological Agents, Etiologic Agents or infectious wastes;
5. Bulk liquids for direct disposal, or containerized liquids (except lab packs) for direct disposal; or bulk hazardous liquids to which absorbents have been added (Use of liquids as dust suppression in accordance with Permit Application Section 11.3.11 is not considered disposal under this section);
6. Reactive material as defined in 40 CFR Part 261.23, that is not treated to meet the requirements of 40 CFR Part 268 prior to disposal;
7. Liquid organic peroxides with concentration exceeding 5% by volume;
8. Containerized liquids (Lab packs) with biodegradable absorbents (40 CFR 264.316(b)); and
9. Wastes containing VOC concentrations >500 ppm shall not be treated onsite.

List of Activities Authorized at USEN

1. Collected leachate may be used for dust suppression within the same cell from which it was generated, provided the collected leachate never leaves the landfill in accordance with Permit Condition 7.2.4.

   [*See EPA memo dated May 23, 1996 in Permit Application Section 11, Appendix D*]

2. The Permittee may stage interim process loads while awaiting verification testing, in accordance with Permit Application Sections 8.7.4 and 11.3.9. [*See Permit Condition 7.10.1*]

The following documents are adopted herein as if fully set forth in this permit:

1. The US Ecology, Beatty, Nevada Part A & B Permit Applications, Sections 1-10 (binder 1 of 2) and Sections 11-19 (binder 2 of 2) – originally dated October 29, 2009 and subsequent revisions.
2. Final Cover Performance Monitoring System and Protocol, Disposal Trenches 11 and 12 – November 2009, revised January 2010
3. Design Basis and Construction Specifications for Trenches 11 and 12 Final Covers – April 2008
4. Landfill Report for Trench-12 -- Supplement – October 2007
5. Corrective Measures Study Report for US Ecology, Inc. HWMF – April 1997
6. Response to Notice of Deficiency for the Trench 12 Design Report – December 1996
7. Trench 12 Design Report Volumes 1 and 2 – March 1996
8. Landfill Engineering Report Trench 13, Volumes 1 and 2 – March 2016