

MODULE X

**WASTE MANAGEMENT PLAN
FOR
POLYCHLORINATED BIPHENYLS**

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X.A. OVERVIEW

Module X addresses the operating requirements specific to the drain and flush, storage, and disposal of PCBs at the Clean Harbors Grassy Mountain facility. The State-issued Part B Permit and EPA Region 8 authorizes disposal of RCRA and TSCA waste respectively in Cells B/6 and 8. Authorization for disposal in Cell Z is provided by EPA Region 8. To provide the Director of the Division of Waste Management and Radiation Control oversight for the operations identified in the table below, EPA issued a TSCA PCB Coordinated Approval (C.A.), which was effective September 2005, pursuant to 40 CFR §761.77 that requires compliance with this module and other affected portions of the permit. Should any conflicts arise between this attachment and the other sections of this permit, the more stringent provision shall be in effect. The following table identifies the portions of the facility affected by the C.A.

Affected Part of Facility	Modules/Attachments Modified by C.A.
Cell B/6	Module VI: Hazardous Waste Landfills Attachment II-7: Closure Plan Miscellaneous references to Cell B changed to Cell B/6 in modules
Stabilization Tanks (Tanks 122-TN-001, 002, and 003)	Module IV: Storage and Treatment in Tanks Attachment II-7: Closure Plan
Leachate Tanks (Tank 119-TN-002)	Module IV: Storage and Treatment in Tanks Attachment II-7: Closure Plan
TSCA Storage Building (and assoc. tanks and pipeline)	Module X: Waste Management Plan for PCBs Attachment II-7: Closure Plan
TSCA Tank Farm	Attachment II-7: Closure Plan
Container Management Building	Attachment II-7: Closure Plan

Grassy Mountain is authorized by this Permit and 40 CFR §761.65 (d) to commercially store PCBs and PCB items designated for disposal in accordance with this permit, issued under the authorization contained in Section 3006, RCRA. Spills of PCBs must be cleaned up in accordance with both documents.

PCBs that can be disposed of in Cell B/6 consist of PCB-only waste and mixtures of PCB/RCRA hazardous waste. In addition, this Permit authorizes the disposal of RCRA-only waste streams for disposal in Cell B/6

X.A.1 TECHNICAL REQUIREMENTS

If PCBs are an Underlying Hazardous Constituent (UHC) for a RCRA waste, the concentrations for the PCBs must meet the treatment standard for PCBs prior to disposal in Cell B/6. If the concentration of the PCBs as a UHC does not meet the treatment standard, the Grassy Mountain Facility shall petition the Director, and must receive the approval, for a site-specific treatment variance (R315-268-44) for the waste stream prior to treating and/or disposing at the Grassy Mountain Facility. A variance would not be required for trans-shipping such wastes at the facility. PCB containers (non-bulk waste streams) can be stored in the PCB Storage Building

and the Drum Dock. One bulk solid storage container can be stored in the Leachate Management Building.

X.A.2 DEFINITIONS

- i. All the terms and abbreviations used in this Module shall have the same meanings as defined in 40 CFR §761.3 unless the context clearly indicates otherwise or unless another term is defined below, or in Module I, for the purposes of this Approval.
- ii. “Application” means the August 2, 1990 TSCA Commercial Storage application and its revisions submitted by USPCI, Inc. to EPA Headquarters to commercially store PCBs and subsequently reissued by EPA Region VIII.
- iii. “Approval” means the approval by the EPA of the application.
- iv. “ARA” means the Assistant Regional Administrator, Office of Partnerships and Regulatory Assistance, EPA Region VIII Office, or his/her designee.
- v. “Clean Harbors Grassy Mountain, LLC Application” means the Application of November 25, 2002 and revision dated January 14, 2003 submitted to EPA for PCB Commercial Storage.
- vi. “Division” means the Division of Waste Management and Radiation Control.
- vii. “Director” means the Director of the Division of Waste Management and Radiation Control, or his/her representative.
- viii. “Facility” refers to the Clean Harbors Grassy Mountain, LLC. Facility.
- ix. “Grassy Mountain” refers to the Clean Harbors Grassy Mountain, LLC. Facility.
- x. “EPA” means the United States Environmental Protection Agency, Region VIII Office, located in Denver, Colorado.
- xi. “Clean Harbors Grassy Mountain, LLC.” Means the company which owns and operates a facility located at Exit 41 Off I-80, 3 Miles East and 7 Miles North of Knolls, Utah.
- xii. “Clean Harbors Grassy Mountain Facility” or “Facility” means the site located at Exit 41 Off I-80, 3 Miles East and 7 Miles North of Knolls, Utah, where the Clean Harbors Grassy Mountain, LLC. PCB Commercial Storage Facility is located.
- xiii. “PCB” means Polychlorinated Biphenyls as defined in 40 CFR §761.3.
- xiv. “PCB Spill” has the same meaning as “spill,” defined in the PCB Spill Cleanup Policy in 40 CFR §761.123 and “disposal,” defined in 40 CFR §761.3.

- xv. "SPCC" means Spill Prevention Control and Countermeasure Plan.
- xvi. "TSCA" means the Toxic Substances Control Act.
- xvii. All definitions contained in 40 CFR §761.3 (Reference also 63FR35384) §761.123 are incorporated by reference into this attachment. Terms not defined in the regulations or in the attachment shall be defined as in Module I or a generally accepted scientific or industrial meaning or a standard dictionary meaning.

X.B PCB WASTE MANAGEMENT CONDITIONS

X.B.1 General Conditions

X.B.1 Departure from Conditions

Grassy Mountain shall comply with and operate in accordance with provisions of the PCB regulations (40 CFR Part 761), the Permit and with the requirements of the Coordinated Approval. Any departure from conditions or modifications of conditions must receive prior written authorization from the Director and the ARA. Departure from these conditions without prior written approval shall subject the approval to revocation, suspension, or termination, and shall subject Grassy Mountain to an enforcement action. If Grassy Mountain becomes aware of any departure from the conditions, modification of conditions, Grassy Mountain shall notify the Director and the ARA within one business day and shall submit a written report describing the departure within five (5) business days.

X.B.2 The Right to Modify

The Director reserves the right to add or modify conditions to the approval. The Director may withdraw or modify this approval if he has reason to believe that the continued operation of the storage facility presents an unreasonable risk to public health or the environment. The Director may also modify the approval based upon new regulations or standards or due to noncompliance with conditions or the PCB regulations. Grassy Mountain shall provide upon request, any information the Director deems necessary to determine whether cause exists for modification, revocation, suspension, or termination of this approval. Failure to provide information within five (5) business days of its request shall be deemed a violation of the conditions of approval.

X.B.3 Responsibility

Grassy Mountain is responsible for the actions of all employees, agents and contractors involved in the operation of the facility. Compliance with the PCB regulations, the conditions of approval, and modifications of this approval, written notifications, and the permit issued by the Director does not relieve Grassy Mountain of the responsibility to comply with all other applicable federal, state, and local laws and regulations.

X.B.4 Inspections

Grassy Mountain shall allow inspection of the site, storage facility, and records relating to the facility by authorized State or Federal employees, agents, or contractors at reasonable times to determine compliance with applicable statutes, regulations, approvals, and conditions of approval. Any refusal by Grassy Mountain to allow access at reasonable times to the site and process, or refusal to provide copies of records shall be deemed a violation of the conditions of approval.

X.B.5 Notification

Grassy Mountain shall notify the ARA and the Director at least thirty (30) calendar days before transferring ownership of the Facility. Grassy Mountain shall also submit to the ARA and the Director at least thirty (30) days before such transfer, a notarized affidavit, signed by the transferee, which states that the transferee will abide by all provisions of this approval. In addition, the transferee will submit a background document on their employees and past violations, similar to the document required of Grassy Mountain. After receiving such notification and affidavit, the Director and EPA may issue an amended approval substituting the transferee's name for the Grassy Mountain name, or the Director and EPA may require the transferee to apply for a new PCB commercial storage approval. The transferee shall not operate under this approval until the Director and ARA issues an approval in the transferee's name or provides written approval to continue to operate under the existing approval until such time that the Director and ARA issues an approval in the transferee's name.

X.B.6 Information

Grassy Mountain shall submit to the Director and EPA upon request, any documents regarding the Grassy Mountain application, conditions, approval, or records required to be maintained as required by 40 CFR Part 761 and this permit. Refusal to provide information shall be deemed a violation of the conditions of approval.

X.B.7 Approval Binding

This Approval and Permit is binding upon Grassy Mountain and may be revoked for any environmental civil violations (including failure to comply with the requirements of this Approval, Permit or criminal convictions by officers, principals, or key employees of Grassy Mountain according to the standard set forth at 40 CFR §761.65(d)(2)(vii).

X.C STORAGE OF PCBS

Grassy Mountain shall meet the following work practice, operation, and other standards at all times during the operation of its facility. All such standards are Conditions of this Approval.

X.C.1 Maximum storage capacity at any time:

X.C.1.a PCB Tank Farm - 63,982 Gallons PCB Liquids

X.C.1.b PCB Warehouse – PCB Waste Not in Tanks

The PCB Warehouse may store 10,670 gallons of waste PCB items (e.g., transformers, circuit breakers, voltage regulators, switches, bushings, small PCB capacitors, light ballasts, PCB Articles, PCB Article Containers, etc.), debris, PCB Containers, large PCB capacitors, PCB liquids, etc.

Of the permitted 10,670 gallons, the maximum quantity of PCB Large Capacitors is 3,575 gallons.

Of the permitted 10,670 gallons, the maximum quantity of PCB Liquids is 8,190 gallons minus the volume of PCB Large Capacitors in storage at the same time.

X.C.1.c PCB Warehouse - PCB Liquid Waste in Tanks - 6,000 gallons.

X.C.1.d PCBs in containers shall be managed in accordance with Attachment X-3, PCB Commercial Storage Approval Training Manual. PCBs in tanks shall be managed in accordance with Attachment X-5, PCB Tank Management Practices.

X.D COMPLY

Grassy Mountain shall comply with all PCB regulations under 40 CFR Part 761, including:

- X.D.1** Containment, berm dimensions, containers, and maximum volume as described in the application and clarified in the approval.
- X.D.2** PCB markings and other labeling as required by the permit.
- X.D.3** Access restrictions to storage areas.
- X.D.4** Shipping documentation and tracking for chain-of-custody requirements within the storage site.

X.E WORKER PROTECTION

- X.E.1** Grassy Mountain shall comply with the Safety and Hygiene provisions of the approved application.
- X.E.2** Within thirty (30) days of the approval date or modification, Grassy Mountain shall develop and submit to the Director and EPA a training plan for workers in the form of a training manual. The Director and EPA shall have the right to review the training plan and require correction of deficiencies identified. Within sixty (60) days of the approval date or modification date, Grassy Mountain shall train employees as specified in the training manual. New employees shall be trained as specified in the manual prior to entering the storage areas. The manual shall address the regulatory requirements of 40 CFR Part 761 with emphasis on the requirements of the PCB Spill Cleanup Policy (40 CFR Part 761 Subpart G). The training plan shall include specifics of the Safety Plan, Contingency Plan, and Emergency Procedures as well as the Spill Prevention Control and Countermeasure (SPCC) Plan. All required training will be documented in the employee's training record.

A signature sheet shall be included as part of the training, plan to verify personnel participation.

X.F NON-PROCESSING SURFACE AREAS

Non-processing surface areas of the facility shall not exceed those allowed in 40 CFR 761 Subpart G.

X.G PCB SPILL CLEANUP

Cleanup of PCB spills shall be in accordance with 40 CFR 761 Subpart G.

X.H DECONTAMINATION

In the unlikely event that PCB contamination exceeds the limits set forth at 40 CFR 761 Subpart G, Grassy Mountain shall decontaminate the affected area in accordance with the PCB regulations. Grassy Mountain shall not encapsulate any PCB contaminated areas resulting from spills regardless of PCB concentration levels without prior written approval from the Director and EPA.

X.I CONTINGENCY PLAN AND EMERGENCY PROCEDURES

X.I.1 Grassy Mountain shall follow the facility SPCC Plan (Attachment X-4) in the approved application and the Contingency Plan (Attachment II-6) when there is a fire, explosion or release of PCBs or hazardous constituents.

X.I.2 A copy of the Contingency Plan and revisions shall be maintained at the Grassy Mountain site. A copy of the Training Manual (Attachment X-3), SPCC Plan (Attachment X-4), and the approval (Attachment X-1 and X-2) shall also be maintained on-site. Lists of emergency contacts and telephone numbers shall be posted in the PCB Commercial Storage Facility.

X.I.3 Grassy Mountain shall inspect, test and maintain emergency equipment as recommended by the manufacturer or in accordance with other regulatory agency requirements for safety equipment to ensure its proper operation in time of emergency. Equipment manufactured by Grassy Mountain shall follow a testing and maintenance plan for those manufactured items established by Grassy Mountain. At a minimum, the facility shall be equipped with the following emergency equipment:

X.I.3.a An internal communications or alarm system capable of providing immediate emergency notification (voice or signal) to facility personnel.

X.I.3.b Devices, such as a telephone or two-way radio, which is immediately available at the scene of operations, capable of summoning emergency assistance from other site personnel and to direct others to contact local police departments, fire departments, and State or local emergency response teams.

X.I.3.c Portable fire extinguisher, fire control equipment, spill control equipment, and decontamination equipment at the PCB Commercial Storage Facility.

- X.I.3.d** Water at adequate volume and pressure to supply fire hose streams or foam equipment to the PCB Commercial Storage Facility.
- X.I.4** When PCBs are being poured, mixed, or otherwise handled, Grassy Mountain shall ensure all personnel involved in the operation have immediate access to an internal alarm or emergency communication device, either directly or through visual or voice contact with another employee.
- X.I.5** At all times, there shall be at least one (1) employee, either present at the Grassy Mountain facility or on call, with the responsibility for coordinating all emergency response measures. This employee shall have immediate access to the entire facility and to a device such as a telephone immediately available that is capable of summoning external emergency assistance. This employee must have the authority to commit resources needed to carry out the Contingency Plan.
- X.I.6** Adequate aisle space shall be maintained to allow for unobstructed access by personnel, fire protection equipment, and decontamination equipment to all PCB items stored on-site.
- X.I.7** All emergency equipment inspection and maintenance records must be maintained at the facility and made available upon request.
- X.I.8** Within thirty (30) days of modification, Grassy Mountain shall provide copies of the Spill Prevention Control and Countermeasures Plan and Contingency Plan and Emergency Procedures to all local police departments, fire departments, and state and local emergency response teams that may be called upon to provide emergency services.
- X.I.9** In the event an authorized facility operator of Grassy Mountain believes, or has reason to believe, that any detectable quantities of PCBs have been released to the environment due to storage, handling or other activity, the activity shall be terminated immediately. The facility operator shall report the release in accordance with facility procedures and spill clean-up shall begin immediately. The facility shall report the release in accordance with all applicable federal, state, and local reporting requirements.
- X.I.10** Grassy Mountain shall immediately report to the Director and the ARA if unauthorized entry occurred at the facility which caused PCBs to be discharged, the nature of any problem that may have resulted from this unauthorized entry and corrective actions taken by the facility to prevent recurrence. Problems to be reported shall

include, but not be limited to, any tampering, destruction, or loss that caused the release of PCBs.

- X.I.11** Grassy Mountain shall review and amend the SPCC Plan and Contingency Plan whenever:
- X.I.11.a** Either plan fails in an emergency.
 - X.I.11.b** The facility changes its design, construction, operation, maintenance or other circumstances that materially increases the potential for fires, explosions, or releases of PCBs or hazardous constituents, changes to emergency response policies or practices.
 - X.I.11.c** When a revision is warranted to prevent a risk of injury to health and the environment.
 - X.I.11.d** When the Director or EPA determines that a plan revision is necessary.
- X.I.12** Grassy Mountain shall review the SPCC plan every five (5) years. Grassy Mountain shall implement any amendment as soon as possible, but not later than six months following preparation of any amendment. Documentation of the five (5) year review shall be in the form of a statement as to whether the plan was amended or in a log or an appendix to the Plan. The following words will suffice, “I have completed review and evaluation of the SPCC Plan for the Grassy Mountain Facility on (date) and will (will not) amend the Plan as a result.”

X.J FACILITY INSPECTIONS

Grassy Mountain shall inspect the PCB management facilities in accordance with the requirements of Attachment X-6, which include the PCB (TSCA) inspection forms. The following inspection procedures shall be followed:

1. Fill in all of the appropriate blanks on the form (e.g., date, time, etc.).
2. Print and sign your name if in written hardcopy format. Electronic forms will be identified by computer user login identifications.
3. Inspect the items as indicated by the frequency as outlined in the schedule.
4. If inspection item is “OK” indicate by marking next to the item in the appropriate column.
5. If inspection item is “NOT OK” indicate by marking next to the item in the appropriate column and describe the problem in the adjacent column.

6. For items that are corrected within 24 hours, the person verifying that the item was corrected will write on the inspection form the date it was corrected and his/her initials.
7. For items that cannot be promptly corrected (e.g., within 24 hours), complete a Remedial Work Order (RWO) and submit to management and indicate on the inspection form that a RWO was written and the number of the RWO.
8. When a RWO problem is resolved, describe the solution on the RWO form, initial and note the date that remedial action was taken.
9. Inspection records shall be maintained at the facility.

X.K RECORDKEEPING AND REPORTING

- X.K.1** Grassy Mountain shall comply with all recordkeeping requirements outlined in the PCB regulations, 40 CFR Part 761.
- X.K.2** Grassy Mountain shall maintain an inventory of all PCBs and PCB items received and/or transferred. Grassy Mountain shall provide copies of inventories of PCBs and PCB items currently in storage to an authorized representative of the Director and EPA within 24 hours of the request.
- X.K.3** All PCB records, documents, and reports shall be maintained at the Grassy Mountain facility and shall be made available for inspection by authorized Director and EPA representatives. When Grassy Mountain ceases operations, all records, documents, and reports or certified copies thereof, shall be made available to the Director and EPA at the facility for a period of at least three (3) years following cessation of operations. If Grassy Mountain is unable to comply with this condition because it is no longer in control of the site, it shall comply by making the records, documents, and reports available at an alternative location proposed by Grassy Mountain and acceptable to the Director and EPA.
- X.K.4** All handwritten records required by 40 CFR §761.180 and the approval shall be written in ink or typed. Photocopies, facsimiles and electronic files or printouts are also acceptable. Any modification or correction of the records must be initialed and dated by the person making the correction. Grassy Mountain shall report any significant discrepancy to the Director or ARA within the time frame required by 40 CFR §761.210(b).

X.K.5 All records, documentation, and information relating to sampling, analysis, and quality assurance as required by the approval shall be retained at the facility or an alternative location acceptable to the Director and EPA, for a minimum of three (3) years following cessation of operation, or longer if requested by the Director or ARA. The records, documentation, and information shall include the following:

X.K.5.a Exact date, place, and time of each sample collected.

X.K.5.b Volume of each sample collected.

X.K.5.c Name of person collecting each sample.

X.K.5.d Name of analyst.

X.K.5.e Date and time of analysis.

X.K.5.f Analytical techniques or methods used for each sample.

X.K.5.g Analytical results.

X.K.5.h Records of Quality Assurance activities.

X.K.6 At the completion of a cleanup required by Section X.G of this module, Grassy Mountain shall develop and maintain records of the cleanup including at a minimum.

X.K.6.a Identification of the source of the -contamination.

X.K.6.b Date and time contamination was discovered.

X.K.6.c Date and time cleanup was completed.

X.K.6.d Brief description of contaminated area.

X.K.6.e Pre-cleanup and post-cleanup sampling data, if required by 40 CFR 761 Subpart G, used to define boundaries of contamination and a brief description of the methodology used to establish contaminated boundaries.

X.K.6.f Amount of waste cleanup material generated.

X.K.6.g Certification statement signed by Grassy Mountain stating that the decontamination levels referenced in 40 CFR 761 Subpart G have been achieved and that the information contained in the record is true to the best of his knowledge.

X.K.7 Grassy Mountain shall maintain manifest copies and Certificates of

Disposal for all PCBs and PCB items stored at the Facility. Copies of Certificates of Disposal shall be provided to the generator within thirty (30) days of receipt by Grassy Mountain of documentation of final disposal of all materials resulting from the commercial storage of PCBs and PCB items.

X.L CLOSURE AND FINANCIAL REQUIREMENTS

- X.L.1** Grassy Mountain shall comply with the current closure plan and closure cost estimate submitted as part of the application process and approved by the Director and EPA. The plan shall be modified as required by regulation.
- X.L.2** Grassy Mountain shall notify the Director and ARA at least 90 days prior to the date it expects to begin closure. The closure plan shall meet the requirements of 40 CFR 761. Upon termination of operations, the provisions of the closure plan shall be followed. The termination of operations includes cessation of operations required by expiration, termination, or revocation of this approval.
- X.L.3** Financial assurance for closure shall meet the requirements of 40 CFR §761.6,5(g) and 40 CFR Part 264, Subpart H. Grassy Mountain shall submit documentation of continued financial assurance with annual cost estimate adjustments for inflation to the Director and EPA. The closure cost estimate shall be based on maximum inventory conditions.
- X.L.4** The closure plan shall be amended when changes in operating plans or facility design affect the terms of the closure plan and submit to the Director and EPA at least thirty (30) days prior to the modification.