

**Appendix G**

**Universal Waste and  
Compatible Solid Wastes**

**Operations and Management Plan**

**Table of Contents**  
**Operations and Management Plan**

<b>Part I</b>	<b>General Operating Conditions . . . . .</b>	<b>3G</b>
	A. Facility Design and Management, Applicable Standards . . . . .	3G
	B. Facilities Operated by Contractors . . . . .	3G
	C. Local Approvals . . . . .	4G
	D. Requirements of the General Permit . . . . .	4G
	E. Operating Requirements . . . . .	4G
	1. Management of Universal Waste and Compatible Solid Wastes	4G
	2. Documents Available at the Facility . . . . .	4G
	3. Access and Traffic Control . . . . .	5G
	4. Facility Personnel and Training . . . . .	5G
	5. Who Can Use the Facility . . . . .	6G
	6. Information to be Provided to Users of the Facility. . . . .	6G
	7. Sanitation and Maintenance . . . . .	6G
	8. Transfers from the Facility . . . . .	7G
	9. Management of Unauthorized and Unprocessable Recyclables and Other Solid Waste . . . . .	7G
	10. Record-Keeping and Reporting Requirements . . . . .	8G
	11. Emergency Incident(s), Reporting Emergencies to the Department	9G
	12. Surface Water and Groundwater Management . . . . .	10G
	13. On-site Roads, Outdoor Operational Areas . . . . .	11G
	14. Days and Hours of Operation . . . . .	11G
	15. Fire Prevention . . . . .	11G
	16. Fire Protection. . . . .	11G
	17. Safety . . . . .	11G
	18. Containers and Covers . . . . .	12G
	19. Compliance Audits . . . . .	12G
	20. Emergency Planning . . . . .	14G
	21. Closure of the Facility . . . . .	14G
<b>Part II.</b>	<b>Capacity Limits and Management Requirements . . . . .</b>	<b>15G</b>
	A. Maximum Receipt Limit . . . . .	15G
	B. Table of Waste Types: Maximum Storage Capacity and Cover Requirements . . . . .	15G
	C. Management Requirements . . . . .	16G
	1. Capacitors and Fluorescent Light Ballasts or Other Light Ballasts	16G
	2. Lead-Acid Batteries . . . . .	17G
	3. Universal Waste . . . . .	18G
	a. General Conditions . . . . .	18G
	b. Mixed Batteries . . . . .	21G
	c. Mercury-Containing Lamps . . . . .	22G
	d. Mercury-Containing Equipment . . . . .	23G
	e. Used Electronics . . . . .	24G
	f. Covered Electronic Devices (CEDs) . . . . .	26G

## **Operations and Management Plan**

### **Part I. General Operating Conditions**

The Registrant shall at all times meet the requirements for authorization in Section 3 of the General Permit, the General Permit requirements and the conditions in Section 5 of the General Permit.

A Notifier shall manage Recyclables and other Solid waste in a manner consistent with Best Management Practices (“BMPs”) as provided in the types of Recyclables and other Solid waste specific management conditions contained in this Appendix.

#### **A. Facility Design and Management, Applicable Standards**

The Registrant shall ensure that the design, construction, maintenance and operation of the Facility are based on best engineering practices, including the requirements for managing Solid waste in accordance with Sections 22a-209-1 through 22a-209-17 of the Regulations of Connecticut State Agencies (“RCSA”), the Connecticut General Statutes (“CGS”) and the requirements of this General Permit.

The Registrant shall maintain an up-to-date Facility Site Plan certified by a Professional Engineer licensed to practice in Connecticut (“P.E.”) on Site at all times and such plan shall be made available to the Commissioner for review upon request.

A Notifier shall maintain a copy of an up-to-date Facility Site Plan certified by a Professional Engineer licensed to practice in Connecticut (P.E.) depicting where Recyclables and other Solid waste are managed for storage and transfer from the Site.

#### **B. Facilities Operated by Contractors**

Registrants with Facilities that are operated by contractors shall at all times keep a current “Duties Statement” on file with the Department. The Duties Statement is a detailed description of the organization of Facility staff and assignment of responsibility for operation, management and maintenance of the Facility.

The Duties Statement shall include the name and title of the Facility lead for daily operations at the Facility, the supervisor, if any, to whom such staff person reports, and a detailed list of the Facility-related tasks assigned to both the contractor and to the Registrant. It shall identify the staff position(s) responsible for: keeping daily records; preparing monthly, quarterly and annual reports for the Department; scalehouse staffing, if any; litter removal; management and transfer from the Facility of **each** Solid waste type from the Facility; and compliance with the General Permit to Discharge Stormwater Associated with Industrial Activities as applicable. The Registrant shall update the Duties Statement whenever changes in staff organization are made and maintain a copy at the Site for the Department’s inspection. Any replacement of the Facility operator shall be reported within five (5) Days of such change to the Department’s Solid Waste Program and certified in accordance with Section 6.(e) of the General Permit. A copy of the written agreement between the Registrant and the contractor shall also be kept current and on file with the Department.

### **C. Local Approvals**

The Registrant/Notifier shall ensure that the Facility meets all applicable requirements of the local authorities. Operational changes at the Facility may trigger additional local review.

### **D. Requirements of the General Permit**

The terms and specifications of the General Permit (Section 5 *Conditions of this General Permit*) and this Appendix shall control and be enforceable against the Registrant for all activities authorized under the General Permit and shall supersede the requirements of any previously issued permit.

The terms and specifications, identified as applicable, of the General Permit and this Appendix shall control and be enforceable against the Notifier for all activities authorized under the General Permit.

### **E. Operating Requirements**

#### **1. Management of Universal Waste and Compatible Solid Wastes**

The Registrant/Notifier shall ensure that all Universal waste and compatible Solid wastes accepted at the Facility are:

- a. Managed in compliance with all the requirements of the General Permit and this Appendix;
- b. Managed in such a manner as to prevent contamination or degradation that could render Recyclables unmarketable;
- c. Managed in areas prepared and dedicated for the Receipt, Storage and Processing of such Solid waste types and as designated on the Site Plan required by Section 4 of the General Permit; and
- d. Transferred from the Facility to Markets, Recycling Facilities and/or other Solid waste Facilities which are authorized to accept and Process such Universal waste and compatible Solid wastes.

#### **2. Documents Available at the Facility**

The Registrant shall ensure that a copy of the following documents is available at the Facility at all times for review by Facility Operator(s) and the Department:

- a. The General Permit and this Appendix, which provides operating conditions for the Facility;
- b. A copy of the Connecticut P.E. certified Facility Site Plan submitted to the Department with the Registration and any revisions thereto;
- c. List of types, sizes, number and design parameters of all fixed and mobile equipment to be used at the Facility including equipment specification(s) and Processing capacities.
- d. Emergency response procedures obtained from the Fire Department;
- e. All records for wastes received, Processed and transferred from the Facility shall be maintained at the Facility for at least three (3) years following the expiration of the General Permit and shall be made available to the Commissioner for review upon request;
- f. The Facility's maintenance schedule developed in accordance with Section E.7. of this Appendix; and

- g. A description of Occupational Safety and Health Administration (“OSHA”) required personnel safety procedures and training pursuant to Section 22a-209-4(b)(2)(B)(iv) of the RCSA and all applicable requirements of Part 1910 and Part 1926 of Title 29 of the Code of Federal Regulations (“CFR”) resulting from specific on-site operations.

The Notifier shall ensure that a copy of the following documents is available at the Site at all times for review by Facility Operator(s) and the Department:

- h. The General Permit and this Appendix, which provide operating conditions for the Site;
- i. A copy of a Connecticut P.E. certified Facility Site Plan depicting where Universal waste and Compatible Solid wastes are managed for Storage and transfer from the Site; and
- j. All records for wastes received, Processed and transferred from the Site are maintained at the Site for at least three (3) years following the expiration of the General Permit.

### **3. Access and Traffic Control**

The Registrant shall ensure that:

- a. Appropriate measures are taken to prevent unauthorized entry to the Facility. Appropriate control measures may be accomplished through the use of fences, gates, and/or other natural or artificial barriers;
- b. A prominent sign is posted and maintained at the entrance to the Facility, pursuant to the RCSA Section 22a-209-10(3). Such sign shall include the Facility’s Registration number, issuance and expiration dates, and a phone number that provides the general public the ability to register questions and complaints twenty four (24) hours per Day. The Registrant shall maintain a log of the calls received and how such calls were addressed or resolved;
- c. All traffic related to the operation of the Facility is controlled in such a way as to mitigate queuing of vehicles off-site and excessive or unsafe traffic impacts in the area where the Facility is located and provides a safe circulation pattern that mitigates any threats to the safety of the users and staff of the Facility;
- d. Unless otherwise exempted, trucks are not left idling for more than three (3) consecutive minutes pursuant to Section 22a-174-18(b)(3) and (c) of the RCSA and that signs are prominently posted and maintained (e.g. at the entrance, scale and unloading areas, etc.) limiting such truck idling time within the Facility; and
- e. The Facility has adequate signage to clearly inform Facility users where to place Universal waste and compatible Solid wastes at the Facility.

### **4. Facility Personnel and Training**

The Registrant shall ensure that:

- a. A Certified Operator is present at all times during the operation of the Facility;
- b. Sufficient personnel are present at the Facility at all times to visually inspect incoming waste and to prevent drop-off of unauthorized materials; and
- c. All individuals under the supervision of the Certified Operator shall be given annual training by the Registrant. The training shall include, at a minimum, safety and emergency procedures, and proper management of all Universal waste and compatible Solid wastes received and managed on-site, including inadvertently received unauthorized wastes.

## 5. Who Can Use the Facility

Universal waste and compatible Solid wastes may be received from businesses and/or residents of the host Municipality or of other Municipality(ies) under financial agreement with the Registrant.

Universal waste and compatible Solid wastes may be received from any source or generator that has been approved by or is under written agreement with the Registrant.

## 6. Information to be Provided to Users of the Facility

- a. The Registrant shall provide the users of the Facility information regarding Universal waste and compatible Solid wastes management procedures for their use at the Facility to ensure safe operations. Suggested methods to fulfill this requirement include providing a leaflet to customers at the gate or in a mailing, posting on the Facility's website or social media or an insert with billing. Such information shall be posted at the Facility in an easily visible location. The Facility shall have adequate signage to clearly inform clients where and how to deliver Universal waste and compatible Solid Wastes at the Facility.
- b. The Registrant shall also provide guidance to the users of the Facility in methods that may be used to promote recycling in accordance with the goals of the [Comprehensive Materials Management Strategy](https://portal.ct.gov/DEEP/Waste-Management-and-Disposal/Solid-Waste-Management-Plan/Comprehensive-Materials-Management-Strategy) (State-wide Solid Waste Management Plan), which can be viewed at <https://portal.ct.gov/DEEP/Waste-Management-and-Disposal/Solid-Waste-Management-Plan/Comprehensive-Materials-Management-Strategy>. (

## 7. Sanitation and Maintenance

- a. The Registrant shall ensure that:
  - i. The Facility is operated and maintained in a safe and nuisance-free manner to control and/or prevent: fire; dust emission levels; odor; noise; spills; accumulation of litter; ponding of water and the harboring, feeding or breeding of vectors; and in continuous compliance with all applicable requirements;
  - ii. A maintenance and inspection plan that includes a schedule with a minimum frequency for inspections of once per week is developed;
  - iii. Such plan is implemented to ensure proper operating conditions at the Facility in accordance with the General Permit, and which achieves the standards in condition number Part I.E.7.a.i. of this Appendix;
  - iv. Such plan includes, but is not limited to, the maintenance and inspection of: the designated Storage areas; Containers of waste or Recyclables; and the waste or Recyclables stored therein;
  - v. Any release or imminent threat of a release to the environment of any waste, Recyclables or any constituents thereof is immediately remedied upon discovery;
  - vi. Fugitive dust emissions and odors are controlled in accordance with Sections 22a-174-18 "Control of Particulate Matter and Visible Emissions" and 22a-174-29 "Control of Odors" of the RCSA;
  - vii. The Facility's premises shall be maintained and any litter shall be removed on a daily basis;
  - viii. All Solid wastes and Recyclables are placed in the appropriate storage areas by the end of each operating day;

- ix. Equipment is maintained on a regular basis according to manufacturer's specifications and/or as needed;
  - x. Spills or leaks are cleaned up immediately and any cleanup materials are placed into a Container that is covered and compatible with the contents. Such cleanup materials shall be transferred from the Facility within forty-eight (48) hours to an authorized Recycling or disposal facility;
  - xi. Clean-up materials and equipment are readily available on-site at all times; and
  - xii. Facility staff immediately notifies **the Department's Emergency Response and Spill Prevention Division at 1-866-DEP-SPIL (1-866-337-7745) or 860-424-3338** if there are any spills.
- b. The Registrant shall maintain compliance with: current OSHA required personnel safety procedures and training pursuant to Section 22a-209-4(b)(2)(B)(iv) of the RCSA; all applicable requirements of Part 1910 and Part 1926 of Title 29 of the CFR resulting from specific on-site operations; and the General Permit.

## 8. Transfers from the Facility

The Registrant shall ensure that:

- a. All Universal wastes and compatible Solid wastes received at the Facility are transferred on a first in/first out basis;
- b. All Processed Universal waste and compatible Solid wastes are loaded into appropriate Containers and are transferred from the Facility to Markets, Recycling Facilities and/or other Solid Waste Facilities within forty eight (48) hours of the Container(s) becoming full, with the exception of legal holiday weekends or as may otherwise be specified in Part II. of this Appendix. **In no event shall Solid wastes be stored at the Facility for greater than (12) twelve months;**
- c. All Universal waste and compatible Solid wastes are transferred from the Facility to Markets, Recycling Facilities and/or other Solid Waste Facilities, authorized in accordance with all federal, state, and local requirements, to receive and Process such wastes; and
- d. All Universal waste and compatible Solid wastes are transferred from the Facility in a manner that prevents leaks, spills and discharges to the ground.

## 9. Management of Unauthorized and Unprocessable Recyclables and Other Solid Waste

The Registrant shall ensure that any Recyclables and other Solid waste that are unauthorized for acceptance at the Facility (inadvertently received), or that are authorized but **cannot be managed (unprocessable) at the Facility, shall be managed in accordance with all applicable requirements** of the General Permit and as follows:

- a. **Management:** Unauthorized Recyclables and other Solid waste shall immediately be sorted, segregated, and stored in a manner that is both consistent with applicable law and protective of the environment until transferred from the Facility. **Unprocessable Recyclables and other Solid waste shall be managed in accordance with the requirements of this Appendix;**

- b. Storage Containers:** At least one (1) dedicated Storage Container each for inadvertently received and for unprocessable Recyclables and other Solid wastes shall be maintained at the Facility at all times;
- c. Volume:** No more than twenty (20) cubic yards of inadvertently received Recyclables and other Solid wastes shall be allowed to accumulate at the Facility, no more than ten (10) cy of which may be inadvertently received putrescible MSW;
- d. Transfer:** Unauthorized Recyclables and other Solid wastes and unprocessable Recyclables and other Solid wastes shall be transferred from the Facility within two (2) business Days from when the Recyclables and other Solid wastes are received at the Facility. However, putrescible MSW shall be transferred from the Facility within forty eight (48) hours of its receipt. Such recyclables and other Solid wastes shall be recycled or disposed of only at a facility that is authorized to accept such Recyclables and other Solid wastes; and
- e. Reporting:** Unauthorized Recyclables and other Solid wastes and unprocessable Recyclables and other Solid wastes shall immediately be recorded in the daily log and included in the required quarterly reports submitted to the Department.

## 10. Record-Keeping and Reporting Requirements

The Registrant shall establish a system for measuring, recording, and reporting Site activities, as follows:

### a. Records

Daily records shall be maintained in a manner acceptable to the Commissioner and be made available to Department staff for inspection at any reasonable time. Such records shall be maintained at the Facility for the life of the General Permit. Records of the following, at a minimum, shall be kept:

- i. Types, capacities and quantities of all Containers of Universal waste and compatible Solid wastes received and transferred from the Facility, and unauthorized Recyclables and other Solid wastes or unprocessable Universal waste and compatible Solid wastes that have been received and/or rejected;
- ii. Dates of receipt of all Universal waste and compatible Solid wastes and origin of all Universal wastes and compatible Solid wastes received at the Facility including hauler name;
- iii. Destination to which all Processed Universal waste and compatible Solid wastes including unacceptable Recyclables and other Solid wastes or unprocessable Universal waste and compatible Solid wastes transferred from the Facility were delivered for Disposal or recycling, including quantities delivered to each destination facility;
- iv. All inspection logs, including emergency and spill reports, which shall include, at a minimum, the name of inspector, date of inspection, observations made and any remedial actions taken and their date;
- v. Log of scheduled and unscheduled shutdowns;
- vi. Operators' training records for Facility staff and Department certifications; and



- vii Facility and equipment maintenance schedule, including activities undertaken to control dust, litter, vectors, etc.

The Notifier shall use or establish a system for measuring, recording and reporting Site activities, sufficient to provide the information required on the reporting forms prescribed by the Commissioner, as follows:

- viii. Types, quantities and destination facility for all Recyclables and other Solid waste received and transferred from the Site to out of state facilities authorized to receive such Recyclables and other Solid waste.

**b. Reporting of Universal Waste and Compatible Solid Wastes Managed at the Facility**

- i. Based on the daily records as required by the RCSA Section 22a-209-9(p); the RCSA Section 22a-209-10(13); the CGS Section 22a-208e; or the CGS Section 22a-220 as appropriate, the Registrant shall be responsible for the preparation of monthly summaries which shall include, but not be limited to, the types, capacities and quantities of all Universal waste and compatible Solid wastes received at the Facility, including unauthorized and unprocessable Universal waste and compatible Solid wastes; the municipality of origin; and the destination to which the Universal waste and compatible Solid wastes received at the Facility were subsequently delivered for Processing, disposal or recycling.
- ii. Based on monthly summaries, the Registrant shall be responsible for the submittal to the Department of quarterly reports no later than January 31, April 30, July 31, and October 31, of each year which shall provide information required by condition number Part I. E.10 of this Appendix pertaining to all Universal wastes and compatible Solid wastes, received. Such reports shall be submitted on forms prescribed by the Department (as may be amended from time to time).
- iii. Send reporting summaries to:  
SOLID WASTE PROGRAM - RECYCLING  
BUREAU OF MATERIALS MANAGEMENT AND COMPLIANCE  
ASSURANCE  
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION  
79 ELM STREET, HARTFORD, CT 06106-5127  
Or via email to DEEP.Solid&HazWasteReports@ct.gov.

The Notifier shall be responsible for the submittal to the Department of annual reports, reporting semi-annual totals no later than July 31 of each year, which shall provide information required by condition number Part I. E.10 of this Appendix pertaining to all Recyclables and other Solid wastes received. Such reports shall be submitted on forms prescribed by the Department to the address in condition number Part I.E.10.b.iii. of this Appendix.

**11. Emergency Incident(s), Reporting Emergencies to the Department**

- a. The Registrant shall notify staff of the Department's Waste Engineering and Enforcement Division of any emergency incident(s) at the Facility that disrupts facility operations, such as explosion(s), accident(s) or fire(s), including but not limited to any incident(s) that:
  - i. Significantly damages equipment or structures;
  - ii. Interrupts the operation of the Facility for more than twenty-four (24) hours;

- iii. Results in an unscheduled facility shutdown or forced diversion of Recyclables and other Solid waste to Recycling or other Solid Waste Facilities and/or Hazardous waste facilities; or
- iv. Can reasonably be expected to create a source of pollution to the waters of the state; or otherwise threatens public health and the environment.

**b. Emergency Reporting of Facility Incident(s)**

The Registrant shall ensure compliance with the emergency reporting of Facility incident(s) as follows:

- i. **Initial Report:** The Registrant shall report a significant emergency incident(s) within twenty four (24) hours to the appropriate local authorities and Solid Waste Enforcement Program in the Waste Engineering and Enforcement Division, Bureau of Materials Management and Compliance Assurance, by telephone at (860) 424-3366 or fax at (860) 424-4059.
- ii. **Final Report:** Within thirty (30) days of an emergency incident(s), a written report certified in accordance with Section 6(e) of the General Permit "Certification of Documents," detailing the cause and effect of the incident(s) and the remedial steps taken, shall be submitted to:  
SOLID WASTE ENFORCEMENT PROGRAM  
WASTE ENGINEERING AND ENFORCEMENT DIVISION  
BUREAU OF MATERIALS MANAGEMENT AND  
COMPLIANCE ASSURANCE  
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION  
79 ELM STREET  
HARTFORD, CT 06106-5127
- iii. **Report Log:** A significant emergency incident(s) shall be recorded in a log of emergency incidents maintained at the Facility.

**c. Other Reporting of Facility Incident(s)**

The Registrant shall comply with all other applicable or required reporting of an emergency incident(s) including, but not limited to, reporting required by Section 22a-450 of the CGS.

**d. Reporting Leak and Spill Incident(s)**

The Registrant shall ensure that Facility staff immediately notifies **The Department's Emergency Response and Spill Prevention Division at 1-866-DEP-SPIL (1-866-337-7745) (toll free) or at 860-424-3338** if there are any spills of Used oil, antifreeze, other hazardous materials, or unidentified fluids.

**12. Surface Water and Groundwater Management**

The Registrant shall ensure that:

- a. The Facility is operated so as to prevent pollution to surface and groundwater;
- b. The Facility meets the applicable surface water and groundwater requirements of all local, state and federal authorities for any existing or proposed stormwater and wastewater collection, treatment and discharge systems and any facility located in a coastal, wetland or aquifer protected (regulated) area; and

- c. The Registrant shall use covers over waste, secondary containment, Impervious surfaces, and other measures as needed to prevent pollution.

### **13. On-site Roads, Outdoor Operational Areas**

The Registrant shall ensure that:

- a. On-site roads and outdoor Processing and Storage areas are constructed of materials suitable for heavy vehicles and designed to withstand expected traffic and loads in all weather conditions; and
- b. Movement of vehicles is unobstructed and there is adequate drainage to prevent the accumulation of water.

### **14. Days and Hours of Operation**

The Registrant shall operate the Facility Monday through Friday no earlier than 7:00 a.m. and no later than 6:00 p.m. and Saturday no earlier than 7:00 a.m. and no later than 3:30 p.m. unless otherwise further restricted by local authorities.

### **15. Fire Prevention**

The Registrant shall ensure that:

- a. An outside and inside fire protection system is maintained in accordance with the local Fire Marshall;
- b. Sufficient source(s) and quantities of water are available;
- c. Adequate equipment is provided to control fires; and
- d. Routine maintenance and inspections of all fire control equipment are conducted in accordance with the specifications of the manufacturer(s) and in no case less than annually.

### **16. Fire Protection**

The Registrant shall ensure that the Facility has access to an adequate source of water or other suppressant sufficient to control any potential fires. The Registrant shall contact and seek guidance from the local fire protection agency to provide services when needed.

### **17. Safety**

The Registrant shall:

- a. Design, construct, maintain and operate the Facility so as to reasonably ensure the safety of users, employees and the surrounding neighborhood;
- b. Prepare and maintain a description of OSHA required personnel safety procedures and training pursuant to Section 22a 209-4(b)(2)(B)(iv) of the RCSA and all applicable requirements of Part 1910 and Part 1926 of Title 29 of the CFR resulting from specific on-site operations;
- c. Promptly clean up all spills and breakage;
- d. Prevent the public from scavenging Universal waste and compatible Solid wastes, that is, from searching through Universal wastes and compatible Solid wastes to remove useful material;

- e. Organize and direct indoor and outdoor traffic patterns to minimize conflicts between pedestrians and vehicles; and
- f. Ensure that pedestrians are not endangered at loading and unloading areas or at any operational area of the Facility.

## 18. Containers and Covers

The Registrant shall ensure that:

- a. All Containers are compatible with the Universal waste and compatible Solid wastes stored within;
- b. All Containers are routinely inspected for corrosion or degradation;
- c. Any Containers found to be degraded (i.e. they can no longer contain the Universal waste and compatible Solid wastes) are removed from service at the Facility; and
- d. Where covers over Containers are required, they are of a material that is Impervious to precipitation.

## 19. Compliance Audits

The Registrant shall, no later than sixty (60) Days from the acknowledgement of a Registration and/or issuance date of the Approval of Registration, perform quarterly compliance audits for the life of the General Permit. Compliance audits required by this condition shall consist of a thorough and complete assessment of the Registrant's compliance with Sections 22a-209-1 through 22a-209-17 of the RCSA and with the terms and conditions of the General Permit.

### a. Compliance Auditor

The compliance audits required by this condition shall be performed quarterly. The first and third quarter compliance audits shall only be conducted by a P.E. or consultant approved in writing by the Commissioner. The second and fourth quarter compliance audits may be a self-certification conducted by the Facility's Certified Operator or a P.E. or consultant approved in writing by the Commissioner.

The Registrant shall, prior to the Commissioner's approval of the P.E. or consultant, submit for the Commissioner's evaluation a detailed description of the P.E. or consultant's credentials (education, experience, training) which are relevant to the work required under this condition and certify to the Commissioner that such P.E. or consultant:

- i. Is not a subsidiary of or affiliated corporation to the Registrant or Registered Facility;
- ii. Does not own stock in the Registrant or any parent, subsidiary, or affiliated corporation;
- iii. Has no other direct financial stake in the outcome of the compliance audit(s) outlined in the General Permit;
- iv. Has expertise and competence in environmental auditing and the regulatory programs being addressed through the General Permit, including evaluation of compliance with requirements specified in Sections 22a-209-1 through 22a-209-17 of the RCSA and with the terms and conditions of the General Permit; and
- v. Within ten (10) days after retaining any P.E. or consultant other than the one originally identified pursuant to this condition, notify the Commissioner in writing of the identity of such other P.E. or consultant by submitting the information and

documentation specified in this condition. Nothing in this condition shall preclude the Commissioner from finding a previously acceptable P.E. or consultant unacceptable.

**b. Scope of Compliance Audits**

Compliance audits shall detail the Registrant's compliance with the requirements of this General Permit and all applicable provisions of Sections 22a-209-1 through 22a-209-17 of the RCSA.

**c. Compliance Audit Report**

The results of each compliance audit shall be summarized in a Compliance Audit Report. At a minimum, such report shall include:

- i. The names of those individuals who conducted the compliance audit;
- ii. The areas of the Facility inspected;
- iii. The records reviewed to determine compliance;
- iv. A detailed description of the Registrant's compliance with this General Permit and applicable regulations;
- v. The identification of all violations of this General Permit and applicable regulations;
- vi. The findings regarding the inspections conducted in accordance with this condition during the Day of the compliance audit;
- vii. A description of the actions taken by the Registrant to correct the violation(s) identified in each compliance audit; and
- viii. The Registrant's certification of compliance with the regulations and documentation demonstrating such compliance pursuant to this General Permit. In cases where multiple counts of the same violation are discovered, the report shall include a listing of each count.

**d. Registrant's Responses to Compliance Audit**

The Registrant shall:

- i. Correct all violations immediately. Should the Registrant be unable to immediately correct the violation(s), within seven (7) days of the date the Registrant was notified of the violation(s), the Registrant shall submit for the review and written approval of the Commissioner, a detailed plan to correct all violations noted. Such plan shall also include a schedule for implementation of the corrective actions required or recommended;
- ii. Ensure that, within five (5) Days of the compliance audit, the Department is notified of all violations identified during the audit; and
- iii. Ensure that the Compliance Audit Report, within fifteen (15) Days of the compliance audit, is submitted to the Department. A copy of the Compliance Audit Report shall be maintained at the Facility for the life of the General Permit or for such other timeframe specified by the Commissioner.

- e. The Registrant shall cease accepting all Universal waste and compatible Solid wastes at the Facility in the event that the Registrant fails to submit in a timely manner the plan and

schedule required by condition number Part I.E.19.d. of this Appendix or fails to correct the violations noted by the inspection(s) in accordance with the approved plan and schedule.

**f. Documentation Submittal Deadlines**

The documents required to be submitted pursuant to this condition shall be submitted quarterly no later than January 31, April 30, July 31, and October 31, directly to the Solid Waste Enforcement Program, Waste Engineering and Enforcement Division, Bureau of Materials Management and Compliance Assurance, Department of Energy and Environmental Protection, 79 Elm Street, Hartford, CT 06106-5127.

The Notifier may conduct Compliance self-audits on an annual basis. Such self-audits should evaluate the management of Recyclables and other Solid waste for consistency with the BMPs contained in the General Permit and this Appendix. If audits are conducted, the Notifier shall address any violations of the General Permit and this Appendix immediately. The findings of such Compliance self-audits and any corrective actions taken in response to the self-audit shall be made available to the Commissioner upon request.

**20. Emergency Planning**

The Registrant shall maintain at the Facility a written Emergency and Preparedness Plan that shall describe the appropriate management of all Recyclables and other Solid waste at the Facility in the event of emergencies such as power failure, equipment failure or natural disasters. The Emergency and Preparedness Plan shall also describe appropriate responses to and equipment to be used in response to fire, flood and medical emergencies, including coordination with local medical, police and fire protection agencies. Such plan shall be kept current for the life of the General Permit.

**21. Closure of the Facility**

**a. Non-Disassemblers of Used Electronics**

Prior to sixty (60) days before the anticipated closure of the Facility, the Registrant shall submit for the Commissioner's review and written approval a Final Closure Plan and cost estimate. The Registrant shall develop the Final Closure Plan and cost estimate in accordance with the Department's Draft *RCRA Closure Plan Guidance For Generators*. The Final Closure Plan and cost estimate shall be based on a third party performing all the activities associated with the final closure of the Facility. Closure of the Facility shall be conducted no later than 180 Days from the last known date of Receipt of Universal waste and compatible Solid wastes.

**b. Authorized Disassemblers of Used Electronics.**

Within sixty (60) days of receiving the Commissioner's written acknowledgement of the Registration or Approval of Registration under the General Permit, the Registrant shall post a financial assurance instrument, in the amount approved in writing by the Commissioner, as required by Section 22a-6(a)(7) of the CGS to assure compliance with the General Permit.

The Registrant shall ensure that:

- i. The surety or financial assurance instrument is posted in the amount sufficient to

- cover the cost of third party closure and is consistent with the Final Closure Plan and Cost Estimate required pursuant to this Appendix;
- ii. Any surety or financial assurance instrument, including a performance bond, used to comply with this condition be in the appropriate form as prescribed by the Commissioner; and
- iii. The financial assurance instrument is adjusted within thirty (30) days after each anniversary date of the instrument to reflect inflation, any storage capacity increases or changes in the cost of closure in accordance with the requirements of 40 CFR 264.142(b) and/or (c) as revised through March 1, 1990.

**Appendix G. Part II. Capacity Limits and Management Requirements**

**The Notifier shall manage Recyclables and other Solid waste consistent with the conditions specified in this Appendix and shall implement the conditions as BMPs.**

**A. Maximum Receipt Limit**

The Registrant/Notifier shall receive for Processing at the Facility:

1. No greater than thirty (30) tons per Day of Universal waste and compatible Solid wastes as authorized in this Appendix; or
2. No greater than 100 tons per Day of Used electronics for Disassembly (including Covered electronic devices). Such Registrants shall be considered “Disassemblers of Used electronics.”

**B. Table of Waste Types: Maximum Storage Capacities and Cover Requirements**

Type of Recyclables and Other Solid Waste	Part II.C. Management Requirement No.	Maximum Volume	Waste Stored Under Cover <sup>1</sup>
Capacitors & Fluorescent Light Ballasts or Other Light Ballasts	1	2x55 gallon (g) containers	Yes
Batteries Lead-Acid (Vehicle)	2	500 units	Yes
Covered Electronic Devices (CED) <sup>3</sup>	3.f.	10,000 kilograms (kg)(150 cubic yards (cy))	Yes
Universal Waste	3	Total of 5,000 kg (11,000 lbs) or 75 cy	Yes
Mercury-Containing Lamps	3.c.		
Mercury-Containing Equipment	3.d.		
Used Electronics <sup>3</sup>	3.e.		
Mixed Batteries	3.b.		
Waste, Unauthorized and Unprocessable	Part I E.9. of this Appendix	20 cy	Yes

<sup>1</sup>See Part I.E.17. and Part II.C. Management requirements of this Appendix for additional information on cover requirements.

<sup>2</sup>1,000 kilogram limit for Mixed Batteries counts toward the 5,000 kilogram limit for the maximum storage of Universal waste at the Facility.

<sup>3</sup>The storage capacities listed in the above table do not apply to Registrants authorized as Disassemblers of Used electronics (operating in accordance with Condition Part II.C.3.e. of this Appendix). Such Registrants shall comply with the management standards as provided in this Appendix and Section 22a-449(c)-113(b) of the RCSA.

## C. Management Requirements

### 1. Capacitors and Fluorescent Light Ballasts or Other Light Ballasts

**Note: Capacitors and Fluorescent light ballasts or other light ballasts (“ballasts”) may contain PCBs. Wastes with PCBs have special handling standards since PCBs are associated with significant risks to human health and the environment.**

#### a. Receipt

The Registrant shall ensure that Capacitors and ballasts are received at the Facility either as loads of solely Capacitors and ballasts or as part of Consolidated loads of Universal waste and compatible Solid wastes authorized in this Appendix. Capacitors and ballasts shall immediately upon Receipt be placed into Containers in a designated area by either Facility staff or by the Facility users, to be determined by the Registrant.

#### b. Storage

The Registrant shall ensure that:

- i. Capacitors and ballasts are stored in dedicated, secured area(s) as specified on the Site Plan to minimize Inadvertent damage or vandalism;
- ii. Capacitors and ballasts are stored inside a locked building with a roof and four walls or in the cargo-carrying portion of a truck, such as in a trailer, that is locked; and stored in a manner that prevents the Capacitors and ballasts from being exposed to the environment and is capable of preventing leakage, spillage or damage that could cause leakage;
- iii. Capacitors and ballasts are stored on an Impervious surface treated with a sealant that is chemically compatible and away from chemically or physically incompatible Recyclables or other Solid waste;
- iv. Capacitors and ballasts are stored in dedicated USDOT-approved Containers that are chemically compatible with the materials stored within. Such Containers shall be periodically inspected and be maintained in a manner so as to prevent corrosion and degradation of the Containers;
- v. Containers used to store Capacitors and ballasts are equipped with Impervious covers and are kept covered at all times, except when such Containers are being filled;
- vi. Storage of Capacitors and ballasts does not exceed the equivalent of two (2) USDOT-approved fifty five (55) gallon Containers;
- vii. Containers are designated for intact Capacitors and ballasts and leaking Capacitors



and ballasts;

- viii. Containers have adsorbent material (e.g. Speedi Dri or similar adsorbent) at the bottom, in the event of a Capacitor or a ballast being damaged during its management; and
- ix. Each Container is marked with a PCB M<sub>L</sub> label, as specified in 40 CFR 761.45., for Containers of leaking Capacitors and ballasts. The label shall also include the word "Leaking."

**c. Processing**

The Registrant shall ensure that the only Processing of Capacitors and ballasts conducted at the Facility consists of Receipt, Storage, consolidation and transfer from the Facility.

**d. Transfer**

The Registrant shall ensure that:

- i. Containers of Capacitors and ballasts, whether intact or leaking, are transferred from the Facility:
  - A. To Markets, Recycling Facilities and/or other Solid Waste Facilities which are authorized to accept and Process such Solid wastes; and
  - B. By a transporter that is authorized to transport PCB-containing wastes and that has received a permit from the Commissioner pursuant to CGS Section 22a-454;
- ii. Full Containers of Capacitors and ballasts are transferred from the Facility within forty eight (48) hours;
- iii. Partially filled Container(s) of intact Capacitors and ballasts are transferred from the Facility within one (1) year of Receipt; and
- iv. Containers of leaking Capacitors and/or leaking ballasts are transferred from the Facility within thirty (30) days of the date of discovery of the leakage.

**2. Lead-Acid Batteries**

**a. Receipt**

The Registrant shall ensure that Lead-acid batteries are received at the Facility either as loads of solely Lead-acid batteries or as part of Consolidated loads of Solid waste authorized by this Appendix. Any Consolidated loads that show evidence of mixing of segregated Solid waste types or spillage shall not be accepted by the Registrant at the Facility. Lead-acid batteries shall immediately upon Receipt be placed in a dedicated area.

**b. Storage**

The Registrant shall ensure that Lead-acid batteries are:

- i. Stored in a dedicated area as specified on the Site Plan;
- ii. Placed upright on pallets, shelves (metal shelving must be grounded), or within vented collection Containers within the designated area by the end of each operational Day;
- iii. Stored at the Facility in numbers not to exceed 500 at any one time;
- iv. Not opened, managed, or stored in a manner that may rupture the battery case, cause it to leak, produce a short circuit or result in an explosion;

- v. Not stored or accumulated near incompatible Solid waste or other materials unless they are separated from such Solid wastes or materials by means of a dike, berm, wall or other device to prevent fires, explosions, gaseous emissions, leaching, or other discharge of Hazardous waste or Hazardous waste constituents which could result from the mixing of incompatible materials;
- vi. If cracked or leaking, immediately segregated, individually packaged and placed into the Storage Container that is labeled and capable of preventing further leakage; and
- vii. Stored in an area:
  - A. Provided with three walls and a roof;
  - B. On an Impervious surface that is treated with a sealant that is chemically compatible with the Solid wastes stored to prevent migration through the surface and maintain surface integrity, or provided with a containment area or sufficient containerization that is labeled and capable of preventing leakage;
  - C. Bermed to prevent stormwater from running into the containment area, and that provides secondary containment sufficient to contain 110% of the total storage volume;
  - D. Inspected weekly for leaks and deterioration; and
  - E. Clearly labeled or marked or the area in which they are stored is clearly marked with the words "Waste Batteries" or "Used Batteries."

**c. Processing**

The Registrant shall ensure that the only Processing of Lead-acid batteries conducted at the Facility consists of Receipt, consolidation, Storage and transfer from the Facility.

**d. Transfer**

The Registrant shall ensure that Lead-acid batteries are transferred:

- i. From the Facility within twelve (12) months of Receipt;
- ii. To Markets, Recycling Facilities and/or other Solid Waste Facilities authorized to accept and Process Lead-acid batteries; and
- iii. All Lead-acid batteries shall be transferred to a final destination facility that is capable of regenerating or Recycling Lead-acid batteries and is authorized to accept such Batteries.

**3. Universal Wastes**

The Registrant shall accept for Receipt and management at the Facility only the following Universal waste: Mixed batteries, Mercury-containing lamps, Mercury-containing equipment, Used electronics, and Covered electronic devices (CEDs).

**a. General Conditions**

The Registrant shall ensure that:

- i. Universal waste shall be managed so as to prevent any release of their hazardous contents to the environment;
- ii. Disposing, diluting, heating or otherwise treating, or disassembling of Universal waste is not conducted at the Facility with the exception of the authorization provided in Part II.C.3.e.iii. of this Appendix;

- iii. No greater than a total of 5,000 kilograms (11,000 pounds or 75 cubic yards) of all Universal waste at any one time may be accumulated at the Facility, unless the Registrant is authorized as a Disassembler of Used electronics in which case the Registrant shall comply with the requirements of Section 22a-449(c)-113(b) of the RCSA;
- iv. Universal waste is accumulated and stored for no longer than one (1) year from the date such wastes were received at the Facility;
- v. Records of each shipment of Universal waste received at the Facility and transferred from the Facility are maintained at the Facility for at least three (3) years from the date the Universal waste was received. Such records may take the form of a log, invoice, manifest, bill of lading or other shipping document and shall include:
  - A. The name and address of the business or resident from whom the Universal waste was received at the Facility;
  - B. The quantity of each specific type of Universal waste received at the Facility (e.g. Mixed batteries, Mercury-containing lamps, Mercury-containing equipment, Used electronics and CEDs); and
  - C. The date the Universal waste was received at the Facility and the date the Universal waste was transferred from the Facility.
- vi. The date the first item (piece) of Universal waste was placed in a Storage area or Container shall be made by:
  - A. Marking or labeling the Container with the earliest date that any Universal waste in the Container was received; or
  - B. Marking or labeling each individual item of Universal waste (e.g. each Mixed battery, Mercury-containing lamp, Mercury-containing equipment, Used electronic or CED) with the date it was received; or
  - C. Placing the Universal waste in a specific accumulation area and identifying the earliest date that any such Universal waste in the area was received; or
  - D. Any similar method which clearly identifies or shows the length of time that the Universal waste has been accumulated from the date it is received.
- vii. Facility staff are provided with training in the proper management and emergency cleanup procedures appropriate for each type of Universal waste accepted at the Facility in accordance with Section 22a-449(c)-113 of the RCSA.
- viii. All releases from Universal waste and releases of constituents from such waste are immediately contained. Other than inadvertent breakage of small quantities of Universal waste, the Registrant shall determine whether any material resulting from the release is Hazardous waste, and if so, the Hazardous waste shall be managed in accordance with all applicable requirements of Sections 22a-449(c)-100 to 119 of the RCSA, inclusive. The Registrant is considered the generator of the Hazardous waste resulting from the release, and shall manage it in accordance with Section 22a-449(c)-102 of the RCSA.
- ix. Universal waste shall be sent only to a facility which has a valid and effective permit issued by the Commissioner authorizing the Facility to store, treat or dispose of such waste, a person who manages such wastes in compliance with Section 22a-449(c)-113 of the RCSA, or if such Facility is located outside Connecticut in accordance with applicable state or federal law.

- x. Containers holding leaking or damaged Universal waste types (i.e. Mixed batteries; Mercury-containing lamps; Mercury-containing equipment; Used electronics and CEDs) are transferred from the Facility within thirty (30) days of the first date of discovery of leakage or damage to that Universal waste type.
- xi. If the Universal waste being transferred from the Facility meets the definition of a hazardous material under the USDOT regulations 49 CFR 171 to 180, inclusive, such Universal waste shipment shall be packaged, labeled, marked and placarded appropriately, and the Registrant shall prepare the proper shipping papers in accordance with the applicable requirements.
- xii. If a shipment of Universal waste containing Hazardous waste is received at the Facility, the Registrant shall immediately notify the Department of the illegal shipment, and provide the name, address and phone number of the originating shipper. The Registrant shall comply with all proper management and disposal procedures for that illegal shipment which are protective of the environment and public health.
- xiii. All areas used to store Universal waste are inspected, at a minimum, on a weekly basis, as follows:
  - A. Inspections shall be recorded in a written log that shall be kept on-site for three (3) years from the date of the inspection. The log shall include: date and time of inspection; name of inspector; observations made; date and description of any repairs made to the Facility or its equipment; and measures taken to correct Solid waste management activities at the Facility in order to comply with requirements of the General Permit and this Appendix;
  - B. The condition of all Containers or buildings used to store Universal waste shall be inspected to determine their structural soundness. If the Container storing Universal waste is not in good condition, or shows evidence of leaking, the Universal waste in such Container shall be transferred to a different Container that is in good condition. Any deterioration of buildings used to store Universal waste shall be repaired on a schedule which ensures that the problem does not lead to a release to the environment. If the condition of the building storing Universal waste poses a potential threat which may result in a release, repairs to the building shall be made immediately;
  - C. The condition of the Universal waste stored at the Facility shall be evaluated. If Universal waste is found to be leaking, broken or damaged, such damaged Universal waste shall immediately be segregated from other wastes, individually packaged and placed into a Container that is labeled and capable of preventing further damage or leakage;
  - D. If a release from a Container or building used to store Universal waste has occurred, immediate action shall be taken in accordance with the requirements for response to releases as specified in condition numbers Part I.E.11. of this Appendix and Part II.C.3.a.viii. of this Appendix;
  - E. All Universal waste, Containers, and buildings used to store Universal waste, are labeled with identifying words as required by the Universal waste specific requirements in condition numbers Part II.C.3.b.ii.H. (Mixed batteries); Part II.C.3.c.ii.D., E. and F. (Mercury-containing lamps); Part II.C.3.d.ii.D. and E. (Mercury-containing equipment); Part II.C.3.e.ii.E. and F. (Used electronics);

and Part II.C.3.f.ii.F. and G. (CEDs); and Part II.C.3.f.ii.H. (CRTs from CEDs) of this Appendix;

- F. All Universal waste, Containers, and buildings used to store Universal waste are marked with the date on which the first item (piece) of Universal waste was placed in that Container or building, as required by the waste specific requirements in condition number Part II.C.3.a.vi.A. through Part II.C.3.a.vi.D., inclusive, of this Appendix; and
- G. Inspections are recorded in a written inspection log that, at a minimum, includes: the date and time of the inspection; the name of the inspector; a notation of the observations made; and the date and nature of any repairs or other remedial actions. The Registrant shall maintain all inspection logs at the Facility for at least three (3) years from the date of inspection.

**b. Mixed Batteries**

**i. Receipt**

The Registrant shall ensure that Mixed batteries are received at the Facility either as loads of solely Mixed batteries or as part of Consolidated loads of Solid waste authorized by this Appendix. Any Consolidated loads that show evidence of mixing of segregated Solid waste types or spillage shall not be accepted by the Registrant at the Facility. Mixed batteries shall immediately upon Receipt be placed in a dedicated area.

**ii. Storage**

The Registrant shall ensure that:

- A. Mixed batteries are stored in dedicated area(s) as specified on the Site Plan;
- B. Mixed batteries are stored: in a secured area with a roof and four walls; and stored in a manner that prevents the Mixed batteries from being exposed to the environment and is capable of preventing leakage, spillage or damage that could cause leakage;
- C. Mixed batteries are not stored or accumulated near incompatible materials unless they are protected from the other materials by means of a dike, berm, wall or other device to prevent fires, explosions, gaseous emissions, leaching, or other discharge of Hazardous waste or Hazardous waste constituents which could result from the mixing of incompatible materials;
- D. Mixed batteries received at the Facility that are cracked or leaking and those Mixed batteries that are Inadvertently damaged at the Facility or show evidence of leakage or damage shall be segregated from other wastes and placed into a plastic sealable bag before being placed into a leak-proof Storage Container;
- E. Mixed batteries with a marked rating of more than nine (9) volts shall be placed in individual plastic Containers (e.g. baggies), or have tape placed securely over the terminals;
- F. Containers used to store Mixed batteries are structurally sound, kept closed unless waste is actively being placed in or removed from the Container, able to prevent leakage or damage that may cause leakage, and are compatible with the contents of the Batteries;

- G. Containers for Mixed batteries shall be grounded, and all Containers shall be vented and kept on an elevated platform to prevent contact with freestanding liquids;
- H. Containers of Mixed batteries are clearly labeled or marked with the words “Universal Waste Batteries” or “Waste Batteries” or “Used Batteries”; and
- I. No more than 1,000 kilograms of Mixed batteries are accumulated at the Facility at any one time.

**iii. Processing**

The Registrant shall ensure that the only Processing of Mixed batteries conducted at the Facility consists of Receipt, Storage, consolidation and transfer from the Facility.

**iv. Transfer**

The Registrant shall ensure that Mixed batteries are transferred:

- A. From the Facility within twelve (12) months of Receipt; and
- B. To Markets, Recycling Facilities, or other Solid Waste Facilities which are authorized to accept and Process such Recyclables or other Solid waste.

**c. Mercury-Containing Lamps**

**i. Receipt**

The Registrant shall ensure that Mercury-containing lamps are received at the Facility either as loads of solely Mercury-containing lamps or as part of Consolidated loads of Solid waste authorized by this Appendix. Any Consolidated loads that show evidence of mixing of segregated Solid waste types or spillage shall not be accepted by the Registrant at the Facility. Mercury-containing lamps shall be relinquished to Facility staff and immediately placed in the appropriate Container(s) upon Receipt.

**ii. Storage**

The Registrant shall ensure that:

- A. Containers of Mercury-containing lamps are stored in dedicated area(s) as specified on the Site Plan;
- B. Containers used to store Mercury-containing lamps are: kept closed unless waste is actively being placed in or removed from the Container; structurally sound; able to prevent breakage or damage that may cause leakage, and are compatible with the contents of the lamps;
- C. Containers used to store Mercury-containing lamps are stored in a secured area with a roof and four walls and stored in a manner that prevents the Mercury-containing lamps from being exposed to the environment;
- D. Each Container of Mercury-containing lamps is labeled or marked clearly with one of the following phrases: “Universal Waste – Lamp(s),” “Waste Lamp(s)” or “Used Lamp(s)”;
- E. Any Mercury-containing lamp that is received at the Facility broken or damaged and those that are Inadvertently broken at the Facility and not yet in a collection Container shall be segregated and all fragments placed in a

Container that is labeled with the phrase “Broken Lamp(s)” and such Container is capable of preventing further leakage in accordance with the requirements of condition number Part II.C.3.c.ii.B. and C. of this Appendix;

- F. Any lamp showing evidence of breakage, leakage or damage is immediately cleaned up and placed in a Container with the label “Broken Lamp(s)”;
- G. Each Storage location for Mercury-containing lamps is equipped with a mercury spill kit at all times to aid in the immediate containment and clean-up of any spills; and
- H. Broken Mercury-containing lamps are recycled or disposed of at a legal destination facility but in no case sent to a waste incineration or “waste-to-energy” facility.

**iii. Processing**

The Registrant shall ensure that the only Processing of Mercury-containing lamps conducted at the Facility consists of Receipt, Storage, consolidation and transfer from the Facility.

**iv. Transfer**

The Registrant shall ensure that Mercury-containing lamps are transferred:

- A. From the Facility within twelve (12) months of Receipt; and
- B. To Markets, Recycling Facilities or other Solid Waste Facilities which are authorized to accept and Process Mercury-containing lamps.

**d. Mercury-Containing Equipment**

**i. Receipt**

The Registrant shall ensure that Mercury-containing equipment is received at the Facility either as loads of solely Mercury-containing equipment or as part of Consolidated loads of Solid waste authorized by this Appendix. Any Consolidated loads that show evidence of mixing of segregated Solid waste types or spillage shall not be accepted by the Registrant at the Facility. Mercury-containing equipment shall be relinquished to Facility staff and immediately placed in the appropriate Container(s) upon receipt.

**ii. Storage**

The Registrant shall ensure that:

- A. Containers of Mercury-containing equipment are stored in a dedicated area as specified on the Site Plan;
- B. Containers of Mercury-containing equipment are stored in an area provided with secondary containment and stored in a secured area with a roof and four walls;
- C. Containers used to store Mercury-containing equipment are: kept closed unless waste is actively being placed in or removed from the Container; structurally sound; made of or lined with plastic; no more than five (5) gallon capacity; able to prevent damage to the Mercury-containing equipment that could cause leakage; leak proof and sealable so as to prevent the escape of mercury into the

environment by volatilization or any other means; and are compatible with the contents of the Mercury-containing equipment;

- D. Each container of Mercury-containing equipment is labeled or marked clearly with one of the following phrases: “Waste Mercury-Containing Equipment” or “Used Mercury-Containing Equipment”;
- E. Any Mercury-containing equipment that is received at the Facility damaged or leaking or that is Inadvertently damaged at the Facility and not yet in a collection container shall be segregated from other waste and placed in a container that is labeled with the phrase “Damaged Mercury-containing equipment.” Such Container shall be capable of preventing further leakage in accordance with the requirements of condition number Part II C.3.d.ii.B. and C. of this Appendix; and
- F. Each Storage location for Mercury-containing equipment is equipped with a mercury spill kit at all times to aid in the immediate containment and clean-up of any spills.

**iii. Processing**

The Registrant shall ensure that the only Processing of Mercury-containing equipment conducted at the Facility consists of Receipt, Storage, consolidation and transfer from the Facility.

**iv. Transfer**

The Registrant shall ensure that Mercury-containing equipment is transferred:

- A. From the Facility within twelve (12) months of Receipt; and
- B. To Markets, Recycling Facilities, or other Solid Waste Facilities which are authorized to accept and Process Mercury-containing equipment.

**e. Used Electronics**

The Registrant shall ensure that Used electronics are managed in accordance with Connecticut’s Standards for Large Quantity Handlers of Used Electronics as described in Section 22a-449(c)-113(d) of the RCSA and as authorized by this General Permit.

**i. Receipt**

The Registrant shall ensure that Used electronics are:

- A. Received at the Facility either as loads of solely Used electronics or as part of Consolidated loads of Solid waste authorized by this Appendix. Any Consolidated loads that show evidence of mixing of segregated Solid waste types or spillage shall not be accepted by the Registrant at the Facility. Used electronics shall be relinquished to Facility staff and immediately upon Receipt be placed in a dedicated area; and
- B. Placed on pallets, shelves, or in collection Containers within the designated area by the end of each operational Day.

**ii. Storage**

The Registrant shall:



- A. Ensure that Used electronics are stored in dedicated area(s) as specified on the Site Plan;
- B. Manage Used electronics in a way that prevents the release of the Used electronics, any component of the Used electronics, or constituent(s) of the Used electronics to the environment and in accordance with Part II.C.3. of this Appendix as applicable;
- C. Store all Used electronics: inside a locked building with a roof and four walls or in the cargo-carrying portion of a truck, such as in a trailer, that is locked; and in a manner that prevents Used electronics from being exposed to the environment, and any Used electronic containing oil is stored on an Impervious surface treated with a sealant that is chemically compatible and away from chemically or physically incompatible Recyclables or other Solid waste;
- D. Ensure that all Used electronics are stored, managed and transferred from the Facility in a manner that maintains the reusability and recyclability of the Used electronics;
- E. Clearly label or mark each Used electronic device or container, shelf, pallet or area used to store Used electronics, with one of the following phrases: “Universal Waste – Used Electronics,” or “Waste Used Electronics,” or “Used Electronics”;
- F. Immediately upon discovery segregate any Used electronic device(s) or any components thereof that are received at the Facility damaged or that are Inadvertently damaged at the Facility, from other waste and place such damaged Used electronic device(s) or any components thereof in a Container that is labeled with the phrase “Damaged Used electronic equipment.” The Registrant shall also ensure that such Container is compatible with the contents of the Used electronic device(s) and is capable of preventing further damage in accordance with the requirements of condition number Part II.C.3.e.ii.B., C., and D. of this Appendix; and
- G. Ensure that, before the end of each operating day, materials generated from the disassembly of Used electronics and components thereof are placed in appropriate storage containers.

**iii. Processing**

The Registrant shall:

- A. Ensure that the only Processing of Used electronics conducted at the Facility consists of Receipt, Storage, disassembling, consolidation, and transfer from the Facility. The Registrant may shred, crush or puncture data storage devices, derived from disassembly or received as segregated components generated off-site, in accordance with this Appendix. The intentional breaking of any cathode ray tube(s) is not authorized by the General Permit or this Appendix;
- B. Disassemble Used electronics in the areas(s) designated on the Facility Site Plan;
- C. Disassemble Used electronics only within a building with a roof and four

walls, and only in areas(s) of the Facility that are designated for such purposes on the Facility Site Plan. The Registrant shall not disassemble Used electronics in the cargo-carrying portion of a trailer, box trailers or unenclosed outdoor structures;

- D. Not accept at the Facility or disassemble Used electronics containing military munitions, explosives or reactive substances. Used electronics that formerly contained such substances shall not be accepted or disassembled at the Facility unless and until they have undergone demilitarization procedures;
- E. **Used electronic components containing Used oil.** Ensure that Used electronic components containing Used oil are managed in accordance with the Used oil requirements of Section 22a-449(c)-119 of the RCSA;
- F. **Components containing PCBs.** Ensure that components containing PCBs are managed in accordance with Section 22a-463 through 22a-469a inclusive of the CGS and 40 CFR 761 and Part II. C. 1. of this Appendix; and
- G. **Untaminated plastics, Scrap metal and other non-hazardous items.** Ensure that the volume of untaminated plastics, Scrap metal and other non-hazardous items does not exceed a total of forty (40) cy at the Facility and untaminated plastics, Scrap metal and other non-hazardous items are managed in a manner that will prevent contamination or degradation that could render Recyclables unmarketable. The Registrant may bale untaminated plastics, Scrap metal and other non-hazardous items for transfer from the Facility.

**iv. Transfer**

The Registrant shall ensure that Used electronics and any components thereof, are transferred:

- A. From the Facility within twelve (12) months of Receipt; and
- B. To Markets, Recycling Facilities or other Solid Waste Facilities which are authorized to accept and Process Used electronics and such components.

**f. Covered Electronic Devices (CEDs) Collected for Municipal Recycling (in accordance with Section 22a-631 of the CGS)**

**i. Receipt**

The Registrant shall ensure that CEDs are:

- A. Received only from residential sources;
- B. Received at the Facility either as loads of solely CEDs or as part of Consolidated loads of Solid wastes authorized by this Appendix. Any Consolidated loads that show evidence of mixing of segregated Solid waste types or spillage shall not be accepted by the Registrant at the Facility. CEDs shall be relinquished to Facility staff and immediately upon Receipt be placed in a dedicated area; and
- C. Placed on pallets, shelves, or in collection Containers within the designated area by the end of each operational Day.

**ii. Storage**

The Registrant shall:

- A. Ensure that CEDs are stored in dedicated area(s) as specified on the Site Plan;
- B. Store no greater than 10,000 kilograms or 150 cubic yards of CEDs from residential sources, unless the Registrant is authorized as a Disassembler of Used electronics in which case the Registrant shall comply with the requirements of Section 22a-449(c)-113(b) of the RCSA, which incorporates by reference the Universal Waste Rule;
- C. Manage CEDs in a way that prevents the release of CEDs, any component of CEDs, or constituent(s) of CEDs to the environment;
- D. Store all CEDs: separately from Universal waste or Used electronics; inside a locked building with a roof and four walls or in the cargo-carrying portion of a truck, such as in a trailer, that is locked; and in a manner that prevents CEDs from being exposed to the environment;
- E. Ensure that all CEDs are stored, managed and transferred from the Facility in a manner that maintains the reusability and recyclability of the CEDs;
- F. Clearly label or mark each CED device, Container, shelf, pallet or area used to store CEDs, with one of the following phrases: “Universal Waste – Covered Electronic Devices,” or “Waste Covered Electronic Devices,” or “Covered Electronic Devices”;
- G. Immediately segregate any CEDs that are received at the Facility damaged or that are Inadvertently damaged at the Facility from other Solid waste and place such damaged CEDs in a Container that is labeled with the phrase “Damaged Used Covered Electronic Devices.” The Registrant shall also ensure that such Container is capable of preventing further damage in accordance with the requirements of condition numbers Part II. C.3.f.ii.C., D., and E. of this Appendix;
- H. Immediately segregate any broken cathode ray tube(s) (“CRTs”) from CEDs that are received at the Facility from other Solid waste and place such broken CRTs in a Container that is kept closed, is structurally sound and is compatible with the CRTs. The area containing the broken CRTs shall be immediately cleaned up. Container(s) of broken CRTs shall be labeled or clearly marked with the phrase “Broken CRTs.” The Registrant shall also ensure that such Container is capable of preventing further damage in accordance with the requirements of condition numbers Part II.C.3.f.ii.C., D., and E. of this Appendix; and
- I. Ensure that, before the end of each operating day, CEDs are placed in appropriate Storage Containers.

**v. Processing**

The Registrant shall ensure that the only Processing of CEDs conducted at the Facility consists of Receipt, Storage, consolidation and transfer from the Facility.

**Unless the Registrant is a Covered Electronic Recycler (CER) pursuant to Section 22a-638-1 of the RCSA, or partnered with a CER, the disassembling, shredding, crushing, heating or other treating of CEDs or any components thereof is not authorized under this Appendix, except for the shredding of hard drives received as segregated components generated off-site. The Registrant authorized as a Disassembler of Used electronics shall comply with the Condition Number Part II. C. 3.e.iii. of this Appendix for the management of components derived from the Disassembly of Used electronics.**

**vi. Transfer**

The Registrant shall ensure that CEDs are transferred:

- A. From the Facility within twelve (12) months of Receipt; and
- B. To Markets, Recycling Facilities or other Solid Waste Facilities which are authorized to accept and Process CEDs, or to a facility authorized to manage such wastes in compliance with Section 22a-449(c)-113 of the RCSA and that has either been approved as or partnered with a Covered Electronics Recycler pursuant to Section 22a-638-1 of the RCSA.