of our current information technology systems. Clean Harbors integrated operating systems are the backbone of our service capabilities.

HHW Employee Training Requirements

Clean Harbors believes that its employees are the most valuable asset in terms of customer satisfaction. The following table outlines the current minimum training requirements Clean Harbors has established for each job function related to HHW operations. In most cases, training exceeds the requirements shown here. Proof of training will be provided upon request.

Training Required	Project Manager	Chemist	Technician	Surveyor
40-Hour HAZWOPER Training 29 CFR 1910.120	✓	✓		
24-Hour HAZWOPER Training 29 CFR 1910.120			✓	
8-Hour OSHA Annual Refresher Training	✓	✓	✓	
HHW Training for Project Managers	✓	✓		
Unknown Waste Fingerprint Analysis Training	✓	✓		
DOT Hazardous Materials Transportation Training	✓	✓	✓	
HHW Site Safety Meeting	✓	✓	✓	✓
Medical Surveillance/ Clearance	✓	✓	✓	
Respirator Clearance	✓	✓	✓	

F. RELEVANT WORK / REFERENCES

Below is a sampling of recent relevant HHW experience in this region.

North Central Ohio Solid Waste Management District
Dennis Baker, Executive Director; (419) 228-8278
212 North Elizabeth Street
Lima, Ohio 45801

Each year Clean Harbors provides turnkey Mobile HHW Collection Event service to each of the six counties that make up the North Central Ohio Solid Waste Management District. Events average ~ 1,000 participants; and operations include: collecting, packaging, manifesting, transporting, and disposing of HHW.

Mercer County Solid Waste Management District
Ken Hinton, Solid Waste Coordinator; (419) 586-3695
220 West Livingston St., Room 230
Celina, Ohio 45822

Each year Clean Harbors provides a turnkey HHW Collection Event that averages between 750 to more than 1,000 participants. Operations include collecting, packaging, manifesting, transporting, and disposing of HHW. See **Attachment 1** for Letter of Commendation.

Auglaize County Solid Waste Management District
Dave Reichelderfer, Director; (419) 394-1270
15202 St. Mary's River Road
St. Mary's, Ohio 45885

Each year Clean Harbors provides a small, turnkey HHW Collection Event. Operations include collecting, packaging, manifesting, transporting, and disposing of HHW.

Ohio County Solid Waste Authority
Contact: Tammy Bonar, Site Manager; (304) 234-3884
1500 Chapline St.
Wheeling, WV 26003

Clean Harbors operates one-day Household Hazardous Waste Collection programs that have about 500 cars, with annual revenue of $25,000 to $35,000.

Hamilton County Environmental Services
Contact: Holly Christmann, Director / Telephone; (513) 946-7705
Contact: Michelle Balz, Operations; (513) 946-7789
250 William Howard Taft Cincinnati OH 45219

Clean Harbors serviced the contract from 1997-2004 conducting 3 mobile collection events per year with an average participation of 2000 cars per event. In 2010, Clean Harbors provided permanent site collection at our Spring Grove facility. This was a 3 year contract where we provided the permanent site location as well as all management and disposal services for Hamilton County. Hamilton County recently awarded CHES the 2014 mobile event contract. The projected number of cars is 2000 for the upcoming October 4th event.

G. PROOF OF PERMITS

Transportation

Permits and registrations necessary to transport hazardous waste, including HHW, are summarized in the following Table. A state-by-state permit listing follows.

Clean Harbors Permits and Licenses

Authority	License/Permit Number	Expiration
US EPA **Hazardous Waste Transporter**	MAD039322250	NA
US DOT Pipeline and Hazardous Materials Safety Administration *Hazardous Materials Certificate of Registration*	060314 555 043WY	06/30/2017
US DOT *HM Safety Permit*	180743-MA-HMSP	03/31/2016
US DOT *Safety Rating (Satisfactory)*	US DOT # 180743	NA
Alliance for Uniform HazMat Transportation Procedures *Public Utilities Commission of Ohio*	UPW0180743OH	10/01/2014
KY DEP *Certificate of Registration for Hazardous Waste Management Activity*	MAD039322250	NA
Listing of state permits		

Copies of actual permits are provided in **Attachment 2.**

TRANSPORTER PERMIT LISTING BY STATE
Federal U.S. EPA ID# MAD039222250, ICC MC 152120

State	Permit Number	*Issuing Agency*	*Agency Address*
Alabama	MAD039322250	Dept. of Environmental Management	1751 Cong. W.L. Dickenson Drive Montgomery, AL 36130
Arkansas	H197	Highway Police	10324 Interstate 30 Little Rock, AR 72219
California	# 3500	Dept. of Toxic Substances Control	400 P Street, 4th Floor Sacramento, CA 35812
Cleveland, City of	# 61	Dept. of Public Safety	1645 Superior Avenue Cleveland, OH 44114
Colorado	HMP-01736	Public Utilities Commission	580 Logan Street Denver, CO 80203
Connecticut	CT-HW-112	Dept. of Environmental Protection	79 Elm Street Hartford, CT 06106
Dade County	LW-00428-95	Dept. of Environmental Resources Mgt	33 S.W. 2nd Avenue, Suite 800 Miami, FL 33130
Delaware	DE HW-330	Dept. of Natural Resources	89 Kings Highway, P.O. Box 1401 Dover, DE 19903
Delaware	DE SW-330	Dept. Of Natural Resources	89 Kings Highway, P.O. Box 1401 Dover, DE 19903
Florida	PMHX-04681	Dept. of Environmental Protection	2600 Blair Stone Road Tallahassee, FL 32399-2400
Georgia	Vehicle Specific	Public Service Commission	244 Washington St., S.W. Atlanta, GA 30334
Illinois	UPW-180743-OH	Public Utilities Commission of Ohio – Uniform Permit Program	180 East Broad Street Columbus, OH 43215
Indiana	N/A	Solid Waste Management Section Div.Of Sanitary	Engineering State Board Of Health,1330 West Michigan Street Indianapolis, IN 46202
Iowa	N/A	Iowa Department Of Transportation Motor Vehicle	Enforcement Grp District #1 Office P.O. Box 1484 Cedar Rapids, IA 52406
Kansas	MAD039322250	Dept. of Health & Environment	Forbes Field, Building 740 Topeka, KS 66620
Kentucky	MAD039322250	Dept. of Environmental Protection	18 Riley Road Frankfort, KY 40601
Louisiana	#40985	Haz. Waste Mng. Div. Dpt. Of Env.	Quality, P.O. Box 44307 Baton Rouge, LA 70804
Maine	ME-HWT-105	Dept. of Environmental Protection	17 State House Station Augusta, ME 04333
Maine	ME-WOT-001	Dept. of Environmental Protection	17 State House Station Augusta, ME 04333
Maryland	HWH-160	Department of the Environment	2500 Broening Highway Baltimore, MD21224
Massachusetts	MA-172	Dept. of Environmental Protection	One Winter Street Boston, MA 02108
Michigan	UPW-180743-OH	Public Utilities Commission of Ohio – Uniform Permit Program	180 East Broad Street, Columbus, OH 43215
Minnesota	UPW-180743-OH	Public Utilities Commission of Ohio – Uniform Permit Program	180 East Broad Street, Columbus, OH 43215
Mississippi	21756	Hazardous Waste Branch Office Of Pollution Control	Dept. Of Environmental Quality, P.O. Box 10385, Jackson, MS 39289
Missouri	H-1338	Dept. of Natural Resources	P.O. Box 176, Jefferson City, MO 65102
Nevada	UPW-180743-OH	Public Utilities Commission of Ohio – Uniform Permit Program	180 East Broad Street, Columbus, OH 43215
New Hampshire	TNH-0014	Dept. of Environmental Services	6 Hazen Drive Concord, NH 03301-6509
New Jersey	Haz.- # 07259	Dept. Of Environmental Protection	401 East State Street, Trenton, NJ 08625
New Jersey	Solid- # 16666	Dept. Of Environmental Protection	401 East State Street, Trenton, NJ 08625
New York	MA-006	Dept. Of Environmental Conservation	50 Wolf Road Albany, NY 12233
North Carolina	N/A	Haz. Waste Sec. Dpt. Of Env. Health	Nat. Res.,P.O. Box 27687, Raleigh, NC 27611
North Dakota	WH-555	Dept. of Health	1200 Missouri Avenue Bismarck, ND 58506
Ohio	UPW-180743-OH	Public Utilities Commission of Ohio – Uniform Permit Program	180 East Broad Street, Columbus, OH 43215
Oklahoma	# 3333	Dept. of Environmental Quality	707 North Robinson Oklahoma City, OK 73101
Ontario	A860228	Ministry of the Environment	135 St. Clair Ave, W. Ste. 100, Toronto, Ontario M4V1P5
Pennsylvania	PA-AH-0312	Dept. of Environmental Protection	Rachel Carson State Office Bldg Harrisburg, PA 17120
Pennsylvania (Bio)	PA-HC-0053	Dept. of Environmental Protection	Rachel Carson State Office Bldg Harrisburg, PA 17120
Quebec	7610-0601-017601	Ministry of the Environment & Wildlife	5199 East Sherbrooke, Montreal, Quebec Hit 3x9
Rhode Island	RI-387	Dept. of Environmental Management	235 Promenade Street Providence, RI 02908
Rhode Island	RIMWTRAN-230	Dept. of Environmental Management	235 Promenade Street Providence, RI 02908
South Carolina	039322250T	Dept. of Health & Environmental Control	2600 Bull Street, Columbia, SC 29201
Tennessee	MAD039322250	Dept. of the Environment	401 Church Street Nashville, TN 37243
Texas	# 41315	National Resource Conservation Commission	P.O. Box 13087 Austin, TX 78711
Vermont	Veh. Specific	Dept. of Environmental Conservation	103 South Main Street Waterbury, VT 05671
Virginia	MAD030322250-1	Dept. of Environmental Quality	Monroe Bldg. 101 N. 14th Street, Richmond, VA 23219
West Virginia	UPW-180743-OH	Public Utilities Commission of Ohio – Uniform Permit Program	180 East Broad Street, Columbus, OH 43215
Wisconsin	# 12102	Department Of Natural Resources	2300 North Dr. Martin Luther King Jr. Drive Milwaukee, WI 53212

Disposal

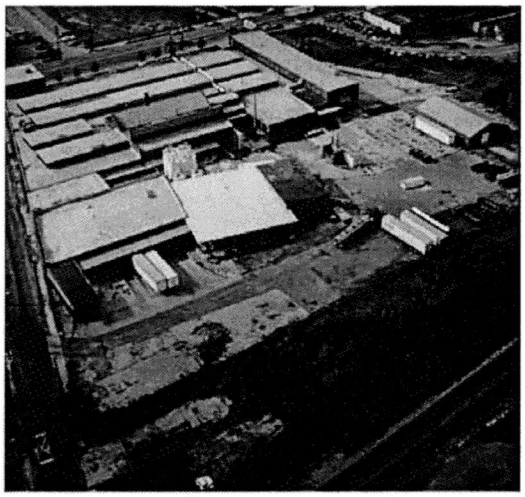
Clean Harbors owns and operates over 50 hazardous waste management facilities throughout the United States and Canada. All of our disposal sites are licensed, permitted facilities. These facilities offer the most diversified array of environmental technologies in the industry. Their capabilities include resource recovery, fuel blending and incineration, treatment, destructive incineration, stabilization/fixation and secure land disposal.

Facility Name / Address	Telephone	Facility Type	EPA ID#
Spring Grove Resource Recovery, Inc. 4879 Spring Grove Avenue Cincinnati, OH 45232	513-681-6242	TSDF, Oil Recovery Facility	OHD000816629
Clean Harbors El Dorado, LLC 309 American Circle El Dorado, AR 71730	870-863-7173	Incinerator, Fuels Blending, Light bulb Recycling	ARD069748192

We've attached facility fact sheets for these two primary receiving facilities on the following pages for your review.

Transportation & Disposal

Cincinnati, Ohio Facility Facts



The Cincinnati facility has wastewater treatment capabilities using chemical treatment and carbon absorption. Other capabilities include waste shredding, fuels blending, stabilization, lab pack management and container storage. Industrial wastes accepted at this facility include flammables, corrosives, oxidizers, poisons and reactives.

Permits

- U.S. EPA ID No. OHD000816629
- Ohio EPA Part B Permit No. OHDO00816629
- Ohio EPA State ID No. 05-31-0012
- U.S. EPA - TSCA Interim Storage Permit for PCBs
- Cincinnati Metropolitan Sewer Discharge Permit – MIL-089
- Various Air Permits through Ohio EPA

Facility Description & General Information

Start-up Date: 1980

Facility Size: 6 acres

Services Provided:

- Organic Aqueous Waste Treatment
- Stabilization
- PCB Wastewater Treatment
- Fuels Blending (liquids, solids and semi-solids)
- Container, Storage, Consolidation & Transfer

Typical Customers: electronic equipment; chemical, plastics, and machinery manufacturers; medical facilities; laboratories; utilities; petroleum distribution; and government facilities.

Typical Waste Streams: contaminated process wastewaters; inorganic cleaning solutions; oils; spent flammable solvents; organic and inorganic laboratory chemicals; paint residues; debris from toxic or reactive chemical cleanups; non-RCRA wastes; consumer commodities; PCBs.

Treatment, Storage and Disposal Capabilities

- RCRA Container Storage: 150,000 gallons
- RCRA Tank Storage: 75,450 gallons

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Spring Grove Resource Recovery, Inc. • 4879 Spring Grove Avenue • Cincinnati, OH 45232 • 513.681.5738 • www.cleanharbors.com

Transportation & Disposal

El Dorado, Arkansas Facility Facts

Clean Harbors El Dorado incineration facility specializes in the treatment of hazardous wastes (RCRA regulated) and non-hazardous wastes by high temperature incineration. RCRA liquids are fed into the rotary kilns and the secondary combustion chamber, depending on the specific characteristics of the waste.

Two rotary kilns are utilized for treatment of solids and sludge. RCRA solids and sludge may be received from the customer, packaged for ram feed into the rotary kilns, repacked for ram feed, or fed directly into the kilns through an automated shredder auger machine. This system enables the El Dorado facility to accept waste that is packaged in any size Department of Transportation (D.O.T.) approved container.

Permits

- EPA ID No. ARD069748192
- RCRA Part B Permit No. 10H-M018
- NPDES Permit No. AR0037800
- ADEQ Operating Air Permit No. 1009-AOP-R1

Facility Description & General Information

Start-up Date: 1974

Facility Size: 370 acres (50 acres are currently active for waste management)

Services Provided:

- Incineration of all types of hazardous and non hazardous wastes (solids, liquids, and sludge), drums, tankers and rail
- Storage prior to incineration
- Management of a wide variety of cylinders, large C-Class cylinders, ISO, and multi tube trailers of compressed gas
- Alternative and comparable fuels for reuse at waste fired boiler

Typical Customers: chemical facilities, pharmaceutical companies, manufacturers, R&D facilities, colleges and universities, government research facilities, state and municipal agencies, medical facilities.

Typical Waste Streams: contaminated process wastewaters, oils, spent flammable solvents, organic and inorganic laboratory chemicals, paint residues, debris from toxic or reactive chemical cleanups, off-spec commercial products, cylinders and labpacks.

Treatment, Storage and Disposal Capabilities

- RCRA Solids Containerized Storage Capacity: 1,459,645 gallons (26,539 55-gallon drums)
- RCRA Liquid Tank Storage Capacity: 1,859,444 gallons
- Total Incineration Capacity: 42,410 lbs./hour
  - 39,011 lbs./hour for the Secondary Combustion Chamber (SCC) and its associated equipment (kilns)
  - 3,399 lbs./hour for the Resource Recovery Boiler

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H. 5 YEAR COMPLIANCE

Clean Harbors believes that its success is attributable in large part to customer confidence that Clean Harbors has the ability to comply with complex governmental regulations and to manage risks effectively.

All of the Company's activities are conducted within the context of the most important Clean Harbors priority -- protecting the health and safety of our employees and customers, as well as complying with the law. The Company demands uniform compliance with the law from its employees and, on behalf of its employees, insists upon strict adherence to health and safety guidelines.

As part of its commitment to employee safety and quality customer service, Clean Harbors has developed an extensive compliance program managed by over 50 full time regulatory and health and safety specialists. To ensure the integrity and impartiality of this group, the Compliance, Health and Safety organization is completely independent from the operating divisions and is overseen by a senior vice president.

Clean Harbors' Compliance Department audits all ultimate disposal sites to ensure facilities are operating in accordance with their permits and all applicable federal, state and local regulations. This elite group of professionals is responsible for facilities compliance, health and safety, field safety, compliance training, transportation compliance auditing, and external auditing of off-site facilities utilized by Clean Harbors. A thorough compliance, health and safety program has been developed and tailored for each Clean Harbors' facility and service center.

Clean Harbors often develops internal operating procedures which are more stringent than those imposed by government regulation. These high standards are constantly monitored and reviewed through an aggressive internal regulatory audit program.

A 5-Year Compliance History for our Primary receiving TSDFs – Clean Harbors Cincinnati, OH and Clean Harbors El Dorado, AR are provided in **Attachment 3.**

Spring Clean 2014

Household Hazardous Waste Collection Proposal

PART II: SITE SET-UP

Diagram the site located at 1631 Old Frankfort Pike (Vehicle Training Pad). Include the following areas: Vehicle Unloading, Material Identification and Separation, Material Bulking, Non-Regulated Waste Disposal, and Truck Loading. Please include plans for handling overflow of traffic and materials, including plans to add more lanes for unloading and plans to bring in materials from outside to accommodate excess wastes. Please attach a description of spill and fire prevention plans, an emergency response plan, and a detailed outline of any volunteer training program provided by the vendor. The policies/methods for testing for unknown substances and packaging/transporting lithium batteries should also be attached.

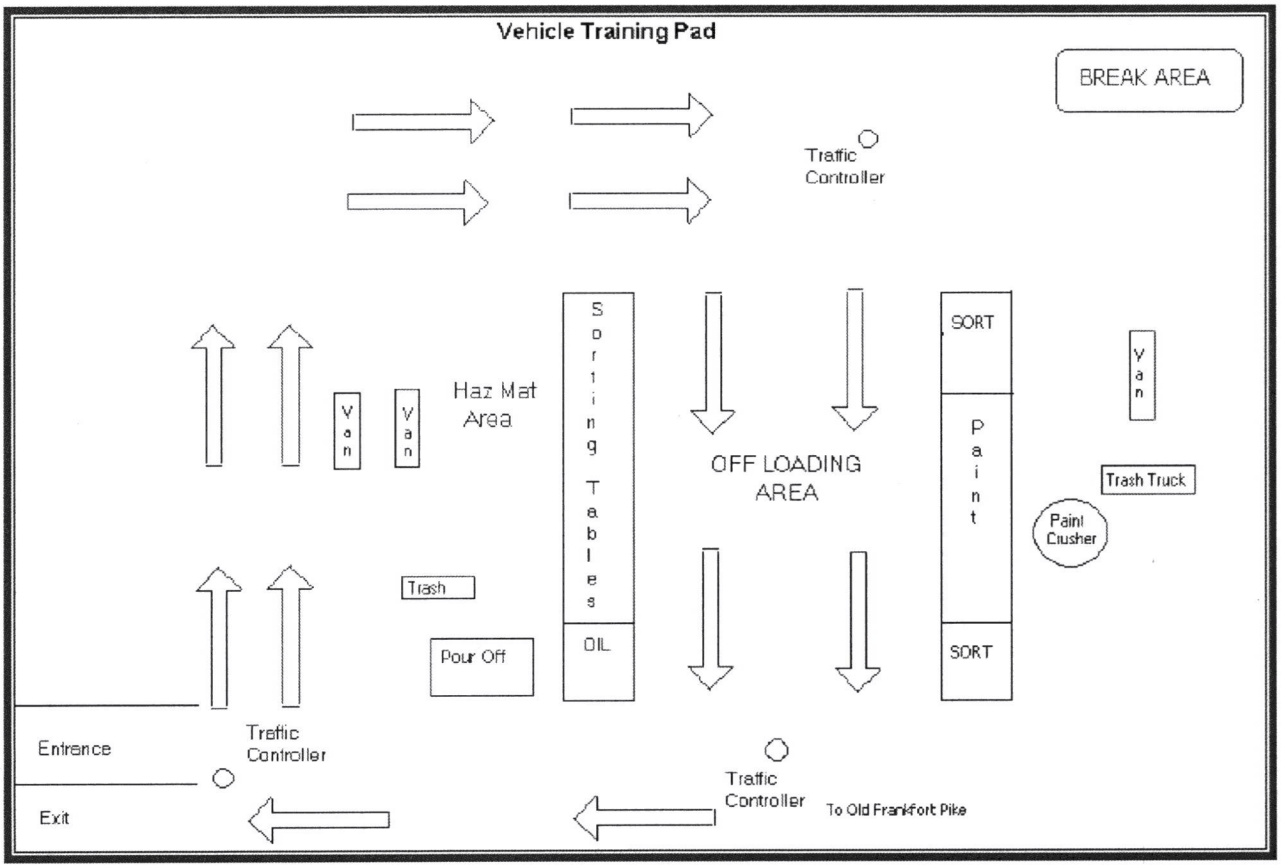
A. SITE SET UP AND DIAGRAM

Clean Harbors requires that adequate space be available for staging of our equipment, trucks, trailers, collection containers, and waste material. In addition to basic utilities power, water, and restroom, we will require that a dumpster for non-hazardous material and empty paint cans be available, traffic control materials, as well as material handling equipment for the movement of pallets and containers.

Traffic Flow Pattern and Vehicle Queuing

Through experience, Clean Harbors has designed a number of basic cost-effective plans that allow for maximum off loading efficiency and minimum standing time for participants. Clean Harbors uses one basic site design that can be modified to accommodate all areas selected for use as an HHW collection site. Each site also contains an area for health and safety equipment, employee breaks, and pre-event meetings.

On the following page is a basic site map for the Vehicle Training Pad. Clean Harbors Operations Manager, Matt Opp will work with LFUCG well in advance of the collection event to finalize and establish a traffic plan that focuses on safety and efficiency. Cones and delineators will be used as appropriate to ensure that traffic is routed one-way and to eliminate traffic to back-up or turn around. Traffic will be controlled to ensure that persons delivering the wastes remain in their vehicles.



Site Diagram Descriptions

Pre-Screen Off Loading Area - All materials are unloaded from passenger vehicles and placed as follows:

- All materials other than paints are placed onto the screening tables for segregation.
- Paints, Motor Oil, and Antifreeze are directed to their designated areas.
- Paint Area – Oil based Paints or paint related materials will be placed in the Cubic Yard Boxes or squished on-site depending upon the size of the container. Processable Liquids will be squished into 55-gallon drums and crushed empties placed into roll-off containers.

Sort/Screening/Segregation - Materials are segregated into DOT hazard classes (Flammable, Oxidizer, Corrosive, Poison, Reactive, etc.) and the compatibility subgroups (Acid or Base). Unlabeled or unidentified materials are taken to the Specials Area for "Hazcat" identification. Wastes requiring special handling and packaging, such as acid, bases and oxidizers, will also be taken to the Specials Area.

Inventory/Lab packing Area - Once the hazard class and compatibility subgroup has been assigned, the materials are transferred to this area to await packaging in DOT-approved shipping containers. An inventory sheet is prepared for each drum which lists the hazard class, the name, a unique ID number, quantity and type of each container. The drum inventory sheet accompanies the manifest. Each drum is lab packed in accordance with the contents listed on the inventory sheets and specific lab packing criteria for each hazard class.

Pour Off Area – Liquids to be poured off (i.e. Solvents, Oil, Antifreeze, etc.) will be taken to this area and carefully poured into DOT approved containers.

Trash Box - Trash, empty paint cans, containers and other non-hazardous wastes will be placed in the trash bin for disposal at a local landfill. All cardboard boxes will be broken down, and placed in a designated roll-off container provided by the County for recycling.

Break Area/ Administration Tent - A break area is established for workers for refreshments and meals. The administration tent is equipped with the necessary files, labels and manifests to coordinate documentation and paperwork. An event summary can be prepared at the end of each event.

MOBILIZATION AND SITE SETUP

Clean Harbors' crew and equipment intends to arrive at the event site the night before the event to setup the location according to a finalized site plan. To prepare the site for receiving material, at a minimum, the following items will be done:

- Secure site upon arrival
- Set-up site in accordance with the Site Layout Plan
- Ensure all equipment is functional:
    - Fire suppression equipment
    - Eyewash and shower
- Ensure adequate aisle space in work areas
- Ensure the proper placement of all drums and cubic yard boxes (CYBs)
- Label and mark all drums and CYBs
- Ensure first aid kit is available and stocked
- Set up decontamination equipment
- Set-up all spill kits at unloading stations and waste handling areas
- Ensure applicable signs are posted and legible from 25 feet away
- Clearly mark site to control access and prevent public access to HHW handling areas
- Use physical barrier to delineate the HHW handling and storage areas
- Determine wind direction and evacuation routes
- Ensure all employees are familiar Plans
- Ensure site has been properly set-up and inspected prior to opening
- Perform Site Safety Meeting prior to opening
- Open site 30 minutes prior to collection starting time
- Correct any deficiencies identified prior to opening

To further reduce the likelihood of environmental contamination and limit the migration of spilled material, the following site preparation may be performed:

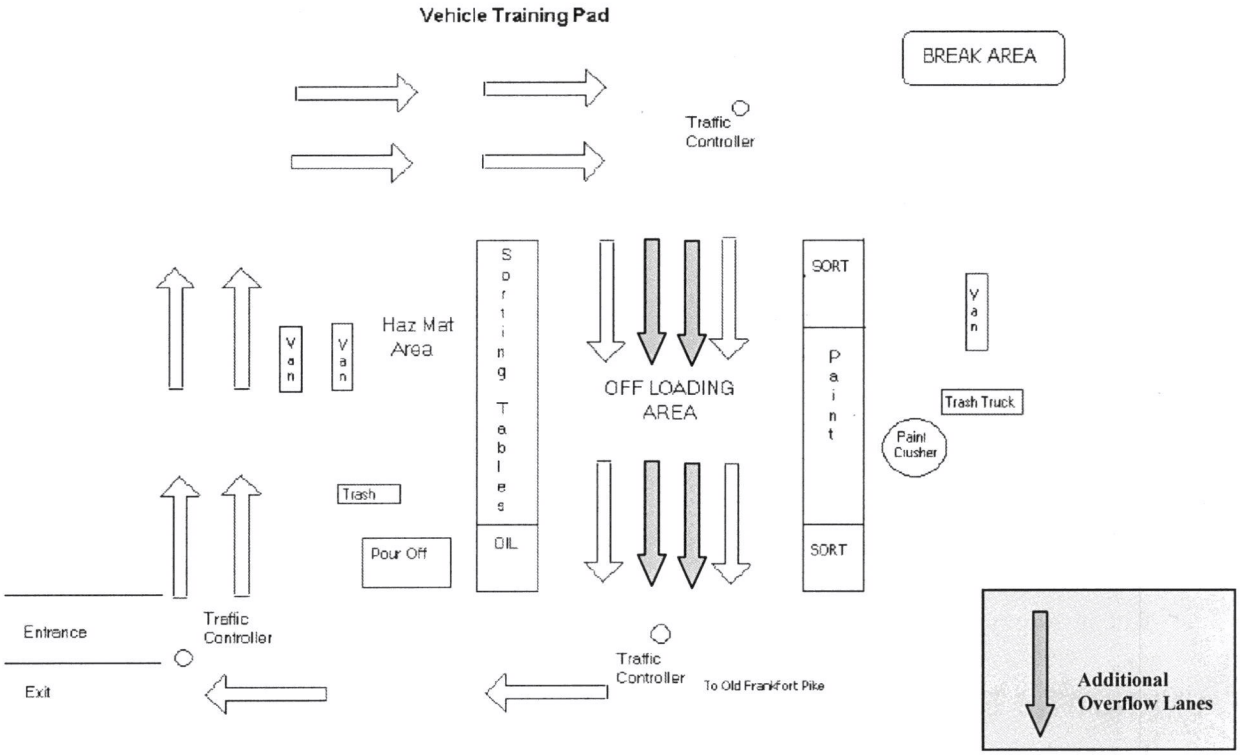
- Seal all storm drains
- Lay poly in locations where waste will be handled. Cover foot traffic areas with plywood.
- Work tables will be set up by placing poly-covered plywood on top of 55 gallon drums

- Designate emergency and spill equipment stations
- Designate decontamination area
- Restrict access to the collection and waste handling areas with caution tape

B. EXCESS MATERIALS

Traffic Overflow

CHES will have 2 processing areas set up on opposite sides of each other with 4 lanes of traffic in between. While setting up the site CHES will leave room for 2 additional lanes to be opened in the event of a traffic overflow. Our staff will be aware of this, and will be ready to open the 2 additional lanes if needed. We will work with the County contacts to target an onsite volume to institute the 2 added lanes. See the revised diagram below.



Additional Supplies

In the event that additional supplies are needed CHES will have a loaded van trailer and driver on standby at our Cincinnati location ready to mobilize. As always we will be well prepared for any and all waste that is dropped off at the event, however if our site supervisor sees that we are in any way in danger of not having enough supplies he will notify the driver and the additional van of supplies will be brought in.

C. HEALTH & SAFETY PLANS, SPILL RESPONSE & EMERGENCY RESPONSE

Household hazardous waste collections pose potential health and safety hazards to community residents and workers at these events, as well as risks to the environment. Community residents may unknowingly bring substances that are extremely volatile, flammable, toxic or unstable. To minimize the potential for an accident, Clean Harbors has established its health and safety policies in the document entitled, *Clean Harbors HHW Supervisor's Manual*; which is followed and customized for each event. As part of the H&S plan, a contingency plan is also developed in order to be prepared for an emergency situation or spill. A copy of this document is provided in **Attachment 4.**

D. VOLUNTEER TRAINING

Clean Harbors' Regional Health and Safety Manager will provide a safety meeting prior to the opening of every event and for additional volunteer shifts. In the past, the County has provided "two shifts" of volunteers therefore we will perform multiple meeting depending upon the number of shifts. All of our employees, the County's employees, and local volunteers are given a brief explanation of collection activities; information about the placement of safety equipment; and instructions to follow in the case of an emergency. The site-specific health and safety plan is then reviewed and signed by each attendee.

The pre-event safety meeting is to assure that each crew member is aware of the following:

- Requirements of the HHW Collection Guidelines
- Each person's role in the HHW collection
- Location of safety equipment
- Contingency plans
- Waste Packing Guidelines
- Unacceptable materials
- Chemical/physical hazards associated with the wastes and collection activities

E. UNKNOWNS TESTING

Clean Harbors has specially trained chemists to perform unknown characterizations on-site using a variety of analytical test methods. Chemists must pass Clean Harbors' Unknowns Training with a score of 80% or higher before they are allowed to perform a fingerprint analysis.

Unidentified containers will be fingerprint-tested in the area designated for unknowns. "Unidentified" is defined as an un-labeled container that the resident has some knowledge of the identity of the contents. If the resident has no knowledge whatsoever of the inner contents, then the container in question will not be accepted.

Chemists will perform quantitative and qualitative tests on unidentified containers to determine whether the compound is acidic, basic, water reactive, a cyanide compound, a sulfide compound, an oxidizing agent or a combination of hazards. Chemicals with similar hazards will be packaged together for incineration.

These "fingerprint" tests determine whether the compound is acidic, basic, water reactive, a cyanide compound, a sulfide compound, an oxidizing agent or a combination of hazards. Once these properties are determined, chemicals with similar hazards will be packaged together for incineration.

Packing will be done by DOT classification in 5-gallon containers. Any items that are not compatible will be placed in their own containers for disposal. The chemist must wear a respirator at all times in addition to the standard PPE requirements: Tyvek, chemical resistant gloves, chemical resistant boots, and safety glasses.

F. LITHIUM BATTERY PACKAGING

From Clean Harbors Field Packing Procedures Handbook for Batteries (11-2-2012)

LBBGB: Lithium Batteries for recycle through Big Green Box program

When batteries are improperly packaged, the potential for damage or injury related to reactions and/or explosion greatly increases. In addition to safety, batteries have specific packing requirements enforced by the US DOT and Canadian TDG. Clean Harbors has recognized the inherent dangers and liability associated with batteries and has implemented the following packing protocols to protect Clean Harbors and its customers. For shipments of batteries to Clean Harbors, these protocols must be followed in order to ensure safe and compliant handling and transportation of batteries.

Shipping instructions:

All types of intact Lithium Batteries; Hermetically Sealed, Unsealed and Small Tab Type Lithium Cells; excluding Lithium Ion MUST be packaged in accordance with the following provisions.

- Universal Waste Only
- Must be acceptable for shipment via FedEx
- Batteries must be intact
- Batteries must be protected from short-circuiting with taped terminals and/or by placing individual batteries into plastic bags that are supplied with the box; clear packing tape is suggested so that the battery labels are visible for easy identification
- Limit of 43-LBS pounds of batteries per box
- Limit of 10-LBS of Primary Lithium (non rechargeable) per box (special boxes are available for >10-LBS)
- No liquids allowed including but not limited to mineral oil and/or batteries containing a free-flowing electrolyte are not acceptable (i.e. wet cell, spillable or automotive batteries)
- Primary Lithium batteries containing more than 25 grams of lithium content are not acceptable
- Follow instructions included with box.
- The regional Technical Services division is responsible for all Lithium batteries brought back to a Clean Harbors hub. Batteries must remain isolated and stored within a Clean Harbors truck, separated from all other waste, and MUST be delivered or a pickup scheduled for the NEXT business day via FedEx or Purolator. **NO EXCEPTIONS.**

PART III. HOUSEHOLD HAZARDOUS WASTE COLLECTION PRICE SHEET

Clean Harbors has diligently evaluated LFUCG's waste streams and provided herein a pricing proposal whereby we have selected the most economical routing option for each waste stream. This effort is reflected in our proposal and represents significant savings for LFUCG.

We are prepared and would deeply appreciate an opportunity to discuss our proposal in more detail prior to your final selection of a contractor. In the mean time, if you have any questions as you go through our proposal, please contact Matt Opp, CHMM, Technical Services General Manager at 513.615.6417 or oppm@cleanharbors.com.

Fall Haul 2014
Household Hazardous Waste Collection Proposal
Part III: Pricing

Price per category should include all handling, packaging, transportation, and disposal costs

1

Method of Disposal	LRCT: Incineration	Price per Pound
		$ 3.00
Lab Pack Reactives		
cyanides	water-reactives	

2

Method of Disposal	LCCR: Incineration	Price per Pound
		$ 1.05
Non-Reactive Lab Packs (treatment/incinerate)		

3

Method of Disposal	LCCR: Incineration	Price per Pound
		$ 1.05
Un Pack/De Pack Lab Packs		

4

Method of Disposal	LLF/LCCR: Landfill, Incineration	Price per Pound
		$ 1.08
Non-Hazardous Materials Lab Packs		

5

Method of Disposal	LCHG2: Stabilization	Price per Pound
		$ 10.00
Mercury		
mercury	mercury compounds	mercury pesticides

6

Method of Disposal	LCCRP: Incineration	Price per Pound
		$ 20.00
Dioxin		

7

Method of Disposal	B35: Recycle/WWT	Price per Pound
		$ 0.20
Antifreeze		
antifreeze		

8

Method of Disposal	A31/FB1: Recycle/Fuel Blend	Price per Pound
		$ -
Used Oil (no motor oil and filters)		
oil & transmission additives	transmission fluid	linseed oil
cutting oils		

9

Method of Disposal	LCCR: Incineration	Price per Pound
		$ 1.08
Flammable Solvents - Liquid (55 gallon drum)		
engine cleaners	paint thinners	turpentine
mineral spirits	waste windshield cleaning fluid	fuel oil
gasoline, old	gas & diesel additives	diesel fuel
solvents	nail polish or remover	kerosene
wood sealers	engine degreasers	paint removers
brush cleaner	paint strippers	furniture stain remover
degreasers	alcohols	

10

Method of Disposal	FB1: Energy Recovery, Fuel Blend/Incineration	Price per Pound
		$ 0.21
Flammable Solvents - Liquid (bulk)		

11

Method of Disposal	LPTP/LPTN: Fuel Blend/Incineration	Price per Pound
		$ 0.60
Flammables - Non-Processable, Small Containers		
correction fluid	contact cement	fiberglass epoxy
floor adhesive	rubber adhesives	adhesives
roofing tar	tile adhesives	glue ink
dyes	furniture strippers	preservatives

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Method of Disposal	FB2: Energy Recovery, Fuel Blend/Incineration	Price per Pound
		$ 0.24
Oil-Based Paint Related Material (Processable 1 and 5 gallon containers)		
auto paint	lead paint	varnishes
primer paint	oil based paints	metal primer
polyurethane coatings	furniture polish	metal polishes
wood preservatives	metal polishes	

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Method of Disposal	LPTP/LPTN: Fuel Blend/Incineration	Price per Pound
		$ 0.60
Oil-Based Paint Related Material (Non-Processable pints & quarts)		
auto paint	lead paint	varnishes
primer paint	oil based paints	metal primer
polyurethane coatings	furniture polish	metal polishes
wood preservatives	metal polishes	

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Method of Disposal	LCCRO: Incineration	Price per Pound
	Liquid	$ 3.00
	Solid	$ 3.00
Oxidizers and Swimming Pool Chemicals		

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Method of Disposal	LAT/LCCR: Treat/Incinerate	Price per Pound
	Liquid	$ 1.08
	Solid	$ 1.08
Corrosives - Acids		
acids	photographic chemicals	metal cleaners
swimming pool cleaner	toilet and drain cleaners	glass etching
degreasers	detergents	wood preservatives
rust removers	spray cleaners	tile cleaners
disinfectants	spot or stain removers	Miscellaneous

	Method of Disposal	LAT/LCCR: Treat/Incinerate	Price per Pound
16		Liquid	$ 1.08
		Solid	$ 1.08
	Corrosives - Bases		
	bases	photographic chemicals	bleach
	oven cleaner	drain cleaners	glass cleaners
	spray cleaners	spot or stain removers	ammonia
	lime & slaked lime	pool chlorinators	Miscellaneous

	Method of Disposal	LLF: Landfill	Price per Pound
17			$ 0.45
	Waxes, Joint Compounds, Latex Adhesives		
	floor waxes	caulking	carpet cleaner
	spackling (drywall compound)	liquid shoe polish	auto wax
	upholstery cleaner	auto wax	

	Method of Disposal	LCCRC: Incinerate	Price per Pound
18			$ 1.08
	FIFRA - Fertilizers, Pesticides, Herbicides, Poisons		
	algaecides	fungicides	pet flea & tick products
	bug spray/sticks	herbicides	rodenticides
	creosote	insecticides (ant & roach powder)	weed killers
	fertilizers containing nitrogen	insecticides (garden dusts & sprays)	plant food

	Method of Disposal	LCCRQ: Incineration	Price per Pound
19			$ 1.08
	Aerosol Cans Non-Foaming, Non-Iso-cyanate		
	Spray paint	Pesticide Aerosols	

	Method of Disposal	LCY2: Recycle	Price per Each
20			$ 30.00
	Fire Extingusher - Household		

	Method of Disposal	LCY1: Recycle	Price per Each
21			$ 15.00
	Grill Propane Tanks or cylinders (only)		

	Method of Disposal	CFL1: Reclamation/recycle	Price per Linear Foot
22	Fluorescent bulbs		$ 0.23

	Method of Disposal	CFL8: Reclamation/recycle	Price per Bulb
23			$ 5.00
	Compact Flourescent Lightbulbs		

	Method of Disposal	D80B: Reclamation/recycle	Price per Pound
24			$ 0.95
	PCB Ballast		

	Method of Disposal	COF: Reclamation/recycle	Price /Credit per Pound *
25			$ 0.21
	Motor Oil and filters		
	motor oil	oil filters	

	Method of Disposal	LFB3: Reclamation/recycle	Price per Pound *
16			$ 1.30
	Latex/Water based paint (Processable 1 and 5 gallon containers)		

	Method of Disposal	CNOS: Landfill	Price per Pound *
27			$ 0.24
	Latex/Water based paint (Non-processable pints and quarts)		

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Method of Disposal	LBLA: Reclamation/recycle	Price/Credit per Battery	*
		$ 0.45	
Batteries (auto, boat)			

* To be invoiced separatedly

29 **TOTAL DISPOSAL COST:** **$ 132,050.00**

refer to RFP- for list of material and estimated quantities)

Other Costs

30 **Total Set Up & Mobilization/Demobilization Cost** **$ 17,500.00**
(On an attached sheet, please provide a detailed list of items and charges)

31 **Total Miscellaneous Charges** **N/A**
(Please provide a separate sheet with a detailed list of any other items and charges.

32 **Labor** (Enter estimated total at end of table here) **Included in Set-up**
(Please submit a list of persons and their job title who will be working on-site during this collection day with the charge per hour for each person. On a separate sheet - Please provide a detailed list of those same persons with their relevant experience, qualifications and a specific list of duties to be performed on the day.)

	Employee Name	Position	Estimated Hours	Charge per Hour
				$
a.				$
b.				$
c.				$
d.				$
e.				$
f.				$
g.				$
h.				$
tt.	**Total Estimated Labor Cost for HHW Collection Event**			

Labor charges have been built into our fixed Mobilization Costs. See Part I Section E Personnel Experience for a complete listing of Clean Harbors employee names, duties and experience.

BID ASSUMPTIONS/CONDITIONS

This proposal is submitted contingent upon the right to negotiate mutually acceptable contract terms and conditions, which are reflective of the work contemplated in the Request for Proposal documents, and an equitable distribution of the risks involved therein. In the event that such agreement cannot be reached, Clean Harbors reserves the right to decline to enter into such an agreement without prejudice or penalty.

Specifically, Clean Harbors would like the following changes made to the sample agreement:

(2) Vendor shall indemnify, save, hold harmless and defend the Lexington-Fayette Urban County Government and its elected and appointed officials, employees, agents, volunteers, and successors in interest (hereinafter "LFUCG") from and against all liability, damages, and losses, including but not limited to, demands, claims, obligations, causes of action, judgments, penalties, fines, liens, costs, expenses, interest, defense costs and reasonable attorney's fees ~~that are in any way incidental to or connected with, or that arise or are alleged to have arisen, directly or indirectly, from or~~<to the extent caused by Vendor's ~~performance of~~ breach of the agreement and/or the provision of goods or services provided that: (a) it is attributable to personal injury, bodily injury, sickness, or death, or to injury to or destruction of property (including the loss of use resulting therefrom), or to or from the negligent acts, errors or omissions or willful misconduct of the Vendor; and (b) not caused solely by the active negligence or willful misconduct of LFUCG. Neither party shall be liable to the other for indirect, incidental, consequential, or special damages, including loss of use or lost profits.

Assumptions and Considerations

Please find below the general pricing conditions for this contract. These conditions govern all waste streams and generic pricing covered under this contract. These conditions are in addition to specific pricing notes provided on the pricing matrixes.

1. All manifests and labels will be furnished at no charge. Electronically submitted profiles will be approved at no charge. Paper profiles will be charged at $75.00 each.
2. All approved ("Approved") waste streams are coded with Clean Harbors' Waste Classification Codes, which define the specifications for drummed, containerized and bulked wastes. Wastes that are received not conforming to these specifications may be subject to additional costs. A completed waste profile sheet, sample, representative analysis or MSDS must be submitted prior to approval and scheduling.
3. Lab Pack rates do not include explosive or potentially explosive, radioactive, temperature sensitive or infectious materials. Clean Harbors reserves the right to decline to accept for disposal any waste materials which, in its reasonable judgment, it cannot dispose of in a lawful manner or without a risk of harm to public health or the environment, or for which no legal means of disposal exists. Clean Harbors will provide separate quotations for any potential high-hazard work (i.e. peroxidized ethers, explosives, cylinders, etc.) upon request.
4. All pricing presented in this contract is based on Clean Harbors' ability to utilize our approved network of audited TSDFs. If the number of sites approved by LFUCG is reduced or restricted, additional costs may be applied due to increased handling of wastes and reduced economies of scale.

5. Local, state and federal fees/taxes applying to the generating location/receiving facilities as well as applicable sales taxes are not included in disposal pricing and will be added to each invoice as applicable.
6. All transportation rates are based on utilization of Clean Harbors' transportation equipment or Clean Harbors approved transporters.
7. Cylinder Conditions
   - 7.1. Cylinders without original stenciling, labels and/or tags will be subject to additional an analysis charge.
   - 7.2. Cylinders with inoperable valves may be subject to rejection or may be charged an additional handling fee of $400.
   - 7.3. Cylinders with a stuck/ rusted valve cap will be subject to a $55.00 stuck cap charge.
   - 7.4. Cylinders must in DOT-shippable condition.
   - 7.5. Cylinder pricing offered in this proposal is contingent upon approval of the Clean Harbors, La Porte, TX transfer, storage and disposal facility.
8. Clean Harbors is currently applying a Recovery Fee that is comprised of two components; a 2.0% charge for insurance, liability, and security costs; and a charge for Energy costs that is revised monthly based on the average diesel prices from the US Department of Energy. **With current diesel prices, the total recovery fee of 16.5% has been rolled into our pricing.**