4879 Spring Grove Avenue
Cincinnati, OH 45232

August 20, 2014

Attention: Theresa Maynard, Senior Buyer
Lexington-Fayette Urban County Government
Division of Central Purchasing
Room 338, Government Center
200 East Main Street
Lexington, KY 40507

Reference: RFP #41-2014 Hazardous Household Waste Collection Event – Fall Haul 2014

Dear Ms. Maynard,

Clean Harbors Environmental Services, Inc. ("Clean Harbors") will provide Household Hazardous Material (HHM) collection services per your bid requirements. Enclosed is our bid response.

As the largest hazardous waste disposal and management service provider in North America, Clean Harbors has the financial stability and resources to meet and exceed your collection and disposal requirements. Our comprehensive solutions provide value beyond simple price.

- Clean Harbors' network of RCRA permitted recycling and treatment facilities provides you with the assurance of reliable waste handling and protects you from the liability exposure of waste brokering.
- Our Work force of experienced chemists, specialist, and technicians have the proper training as well the unique experience of providing service to the county's specifications.
- Clean Harbors' regional compliance staff, in addition to our corporate compliance staff, provides a higher assurance of regulatory compliance. You also receive the benefit of access to technical resources amassed from a nationwide pool.

We look forward to providing you these necessary and vital services. If you have any questions, please call me at 513.615.6417 or via email oppm@cleanharbors.com.

Sincerely,

Matt Opp

Matt Opp
Technical Services Operations Manager

HHW Collection Event – Fall Hall 2014

RFP# 41-2014: Due August 21, 2014, 2:00 PM

Household Hazardous Waste Services

Presented By:

Clean Harbors Environmental Services, Inc.
4879 Spring Grove Avenue
Cincinnati, OH 45232
Contact: Matt Opp: 513.615.6417
oppm@cleanharbors.com

Lexington-Fayette Urban County Government

Division of Central Purchasing
Room 338, Government Center
200 East Main Street
Lexington, KY 40507

TABLE OF CONTENTS

EXECUTIVE SUMMARY

As the nation's largest environmental service company with experience in household hazardous waste, Clean Harbors Environmental Services, Inc. (Clean Harbors) continues to associate themselves with successful collection programs. Our staff in Cincinnati, OH looks forward to servicing your **2014 Spring Clean Household Hazardous Waste (HHW) Collection Event**.

The information included in this bid proposal highlights some of the features and benefits of our company and how Clean Harbors intends to service the residents within the Lexington-Fayette Urban County in a professional, cost-effective manner.

Turnkey Service

Clean Harbors will provide the experienced labor, materials, equipment, tools, trucks, labels and paperwork to get the job done right. We will collect, label, manifest, transport and dispose of all acceptable household hazardous brought to your collection facility. We maintain all required state and federal permits and licenses for transporting all waste generated at the collection event. Since one company handles everything, LFUCG can enjoy complete turnkey service while decreasing your concern and your liability.

Largest Network of In-House Treatment, Storage, Disposal Facilities

Clean Harbors maintains a network of over 100 Service Centers and 50 Hazardous Waste Management Facilities located across the U.S., Canada and Puerto Rico. Through its' network of Hazardous Waste Management Facilities and Technical Service Centers, Clean Harbors can provide the LFUCG with the most responsive and effective program of hazardous waste management, treatment and disposal in the industry. Having such a large network of in-house treatment capabilities means added security to our customers since less material is shipped to third-party vendors.

Local Resources

Our Technical Service Center located in Cincinnati, OH is well positioned to service the collection events. This site is staffed with trained chemists to perform your pickups. In addition to our Cincinnati site, we have a huge number of resources in the region including service centers, satellite offices and disposal facilities that will ensure we will have enough people, supplies and equipment to run any size collection event. What all this means for LFUCG is that you will have a company running your programs that knows everything there is to know about HHW collection events and has the labor, tools and know how to get the job done.

High Staffing Levels of Dedicated In-House Site Teams

Clean Harbors has worked to provide dedicated field teams to service your collections. We do not utilize temporary laborers that can be unreliable and inefficient. Our local facilities are staffed with professional HazMat trained personnel, qualified to perform work under this contract. Our personnel have the most extensive training in the industry. They are skilled workers who ensure that your operation complies with public safety and environmental laws and regulations.

Having a large number of skilled and experienced personnel ensures smooth and efficient programs.

Extensive Experience

Clean Harbors has positioned itself as the leader of HHW management programs in North America. We currently average 45 HHW events per weekend. During the height of the HHW season that average climbs to over 60 events for a period of 24-32 weekends per year. In 2013 Clean Harbors successfully executed over 4200 HHW collections resulting in the safe and environmental sound disposal of more than 21,000 tons of HHW. Our years of experience and service will benefit you by ensuring that your residents will be serviced professionally and quickly; and your waste will be managed safely and compliantly.

Cradle to Grave Waste Tracking System

Our Internet-based online services provide customers with instant access to key records related to transactions including complete waste tracking from pickup to final disposal. Regardless of where the material is shipped, our industry-leading system has the ability to generate quarterly reports mapping the path that LFUCG's waste took from pickup to disposal. This is beneficial to the County because you can easily determine where every pound of waste material was disposed.

Financially Strong

Clean Harbors is the largest hazardous waste disposal company in North America and has been in the industry for over 34 years. We are a publicity traded company (symbol CLH) on the NYSE with greater than $3.5 billion dollars in revenues and over $510 million dollars in EBITDA. Our financial strength provides the County with unsurpassed liability protection and financial assurance.

Maximum Liability Protection

Clean Harbors assumes generator status of all waste removed from participant vehicles and packaged by Clean Harbors. Assuming generator status means we acquire all rights, titles, and liability to waste removed from site. As added protection, Clean Harbors can manage the majority of the waste internally and limits its external disposal / recycling facilities to those that meet stringent environmental audits. Clean Harbors also maintains an extensive Insurance Program insuring our workers, customers and the physical assets of the company are covered.

Why Clean Harbors?

Setting new standards in environmental and waste management - Now and always.

We are delighted to offer LFUCG our experience, qualifications and technologies that will exceed the requirements of your Household Hazardous Waste Collection program. We understand the unique requirements of managing successful household hazardous waste collection programs. LFUCG deserves a company that not only has past experience in performing this collection event, but also a company that can offer safe, cost effective and compliant methodologies for the management of the waste. By choosing Clean Harbors to provide waste collection, transportation and disposal services, LFUCG will receive access to all of the equipment, supplies, materials and experienced personnel needed to successfully operate its HHW program, as well as the best facilities to manage the hazardous wastes and associated liabilities.

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, Technical Services General Manager at 513.615.6417 or oppm@cleanharbors.com. Additionally, you may contact James Gintz, CleanPack Specialist at 513.615.6219 or gintz.james@cleanharbors.com.

BID FORMS

The following required bid forms are included in this section of our bid response.

- ✓ Affidavit
- ✓ Equal Opportunity Agreement
- ✓ Workforce Analysis Form & EEO Report
- ✓ Affirmative Action and DBE Contract Participation Form
- ✓ LFUCG MBE/WBE Participation Form

AFFIDAVIT

Comes the Affiant, Phillip G. Retallick, and after being first duly sworn, states under penalty of perjury as follows:

1. His/her name is Phillip G. Retallick and he/she is the individual submitting the proposal or is the authorized representative of Clean Harbors Environmental Services, Inc., the entity submitting the proposal (hereinafter referred to as "Proposer").

2. Proposer will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the proposal is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.

3. Proposer will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.

4. Proposer has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.

5. Proposer has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Proposer will not violate any provision of the campaign finance laws of the Commonwealth.

6. Proposer has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."

Continued on next page

7. Proposer acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

Further, Affiant sayeth naught.

_____

STATE OF South Carolina

COUNTY OF Richland

The foregoing instrument was subscribed, sworn to and acknowledged before me by Phillip G. Retallick on this the Nineteenth day of August, 2014.

My Commission expires: August 2, 2020

NOTARY PUBLIC, STATE AT LARGE
Jerri E. Garner
(JG)

JERRI E GARNER
NOTARY PUBLIC
SOUTH CAROLINA

EQUAL OPPORTUNITY AGREEMENT

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.

- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.

- Section 503 of the Rehabilitation Act of 1973 states:

  The Contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap.

- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.

- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:

  The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.

****

The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Bidders

I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, Vietnam veterans, handicapped and aged persons.

Signature Phillip G. Retallick

Clean Harbors Environmental Services, Inc.
Name of Business

WORKFORCE ANALYSIS FORM

Name of Organization: Clean Harbors Environmental Services, Inc.

Date: 09 / 19 / 2014

Categories	Total	White		Latino		Black		Other		Total	
		M	F	M	F	M	F	M	F	M	F
Administrators											
Professionals											
Superintendents											
Supervisors											
Foremen		See attached EEO Report.									
Technicians											
Protective Service											
Para-Professionals											
Office/Clerical											
Skilled Craft											
Service/Maintenance											
Total:											

Prepared by: Ken Burgess, Proposal Manager

Name & Title

co= M519793

u= M519793

EQUAL EMPLOYMENT OPPORTUNITY

2013 EMPLOYER INFORMATION REPORT

CONSOLIDATED REPORT - TYPE 2

SECTION B - COMPANY IDENTIFICATION

1. CLEAN HARBORS ENVIRONMNTL SVCS INC
42 LONGWATER DRIVE
NORWELL, MA 02061

2.a. CLEAN HARBORS ENVIRONMNTL SVCS INC
42 LONGWATER DRIVE
NORWELL, MA 02061

SECTION C - TEST FOR FILING REQUIREMENT

1-Y 2-N 3-Y DUNS NO.:157793639

c. Y

SECTION E - ESTABLISHMENT INFORMATION

NAICS:

SECTION D - EMPLOYMENT DATA

JOB CATEGORIES	HISPANIC OR LATINO		NOT-HISPANIC OR LATINO												OVERALL TOTALS
	********** MALE **********								********** FEMALE **********						
	MALE	FEMALE	WHITE	BLACK OR AFRICAN AMERICAN	NATIVE HAWAIIAN OR PACIFIC ISLANDER	ASIAN	AMERICAN INDIAN OR ALASKAN NATIVE	TWO OR MORE RACES	WHITE	BLACK OR AFRICAN AMERICAN	NATIVE HAWAIIAN OR PACIFIC ISLANDER	ASIAN	AMERICAN INDIAN OR ALASKAN NATIVE	TWO OR MORE RACES	
EXECUTIVE/SR OFFICIALS & MGRS	0	1	156	1	0	3	0	0	27	1	0	0	0	0	189
FIRST/MID OFFICIALS & MGRS	52	6	509	54	2	14	5	2	90	5	0	4	0	0	743
PROFESSIONALS	40	8	417	31	2	22	1	6	246	14	0	11	0	1	799
TECHNICIANS	5	1	35	10	0	2	1	1	6	1	0	0	0	0	62
SALES WORKERS	6	0	194	9	0	2	1	1	51	0	0	3	0	0	267
ADMINISTRATIVE SUPPORT	2	22	49	5	1	2	0	0	207	14	0	8	0	4	314
CRAFT WORKERS	292	18	1125	209	15	35	13	30	60	17	0	9	1	3	1827
OPERATIVES	290	3	1108	371	9	15	9	17	27	19	0	1	0	1	1870
LABORERS & HELPERS	0	0	2	4	0	0	0	0	2	1	0	0	0	0	9
SERVICE WORKERS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	687	59	3595	694	29	95	30	57	716	72	0	36	1	9	6080
PREVIOUS REPORT TOTAL	627	62	3395	679	19	93	27	52	698	74	0	31	2	4	5763

SECTION F - REMARKS

DATES OF PAYROLL PERIOD: 09/01/2013 THRU 09/15/2013

SECTION G - CERTIFICATION

CERTIFYING OFFICIAL: LUCILLE FRUZZETTI
TITLE: HR ANALYST

EEO-1 REPORT CONTACT PERSON: LUCILLE FRUZZETTI
TITLE: HR ANALYST

EMAIL: lucille.fruzzetti@cleanharbors.com
TELEPHONE NO: 7817925000

CERTIFIED DATE[EST]: 09/27/2013 03:13 PM

DIRECTOR, DIVISION OF CENTRAL PURCHASING
LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
200 EAST MAIN STREET
LEXINGTON, KENTUCKY 40507

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITIES AND DBE CONTRACT PARTICIPATION

Notice of requirement for Affirmative Action to ensure Equal Employment Opportunities and Disadvantaged Business Enterprises (DBE) Contract participation. Disadvantaged Business Enterprises (DBE) consists of Minority-Owned Business Enterprises (MBE) and Woman-Owned Business Enterprises (WBE).

The Lexington-Fayette Urban County Government has set a goal that not less than ten percent (10%) of the total value of this Contract be subcontracted to Disadvantaged Business Enterprises, which is made up of MBEs and WBEs. The goal for the utilization of Disadvantaged Business Enterprises as subcontractors is a recommended goal. Contractor(s) who fail to meet such goal will be expected to provide written explanations to the Director of the Division of Purchasing of efforts they have made to accomplish the recommended goal, and the extent to which they are successful in accomplishing the recommended goal will be a consideration in the procurement process. Depending on the funding source, other DBE goals may apply.

For assistance in locating Disadvantaged Business Enterprises Subcontractors contact:

Marilyn Clark, Division of Central Purchasing
Lexington-Fayette Urban County Government
200 East Main Street, 3rd Floor, Room 338
Lexington, Kentucky 40507
mclark@lexingtonky.gov

Firm Submitting Proposal: Clean Harbors Environmental Services, Inc.

Complete Address: 4879 Spring Grove Avenue Cincinnati, OH 45232
Street City Zip

Contact Name: Matthew Opp Title: Technical Services General Manager

Telephone Number: 513-823-2307 Fax Number: 513-823-2307

Email address: oppm@cleanharbors.com

LFUCG MWDBE PARTICIPATION FORM
Bid/RFP/Quote Reference # LFUCG RFP #41-2014

The MWDBE subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to Central Purchasing for approval immediately.

MWDBE Company, Name, Address, Phone, Email	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
1. **Gurman Container & Supply Corporation** 800 North 3rd Street, Terre Haute, IN 47807 Phone: 800.448.7626 Email: info@gurmancontainer.com	Provide supplies for lab packing and bulking of materials, such as poly and steel drums, and flexbins, etc.	Estimate Total Dollar Value of supplies is: $14,659.46	Estimated Percentage: 10%
2.			
3.			
4.			

The undersigned company representative submits the above list of MWDBE firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Clean Harbors Environmental Services, Inc.
Company

Phillip G. Retallick
Company Representative

August 19, 2014
Date

Senior Vice President, Regulatory Affairs
Title

Spring Clean 2014

Household Hazardous Waste Collection Proposal

PART I: VENDOR QUALIFICATIONS

Please describe vendor qualifications, including examples of relevant work performed in the recent past. Include the name and phone number of a contact person for each example provided. Attach to this sheet proof of all necessary state and federal licenses and permits needed for the transportation and disposal of wastes; copies of any notices of violations, administrative orders, or other enforcement actions taken by regulatory agencies within the last five years against the primary vendor, parent company, or probable sources of waste disposal; and copies of any letters of commendation, awards or other recognition received in the last five years.

A. COMPANY DATA

Corporate Office	Clean Harbors Environmental Services, Inc. 42 Longwater Drive Norwell, MA 02061
Parent Company	Clean Harbors, Inc., a Massachusetts Corporation
Billing Address	Clean Harbors Environmental Services, Inc. P.O. Box 510 Boston, MA 02102
Local Servicing Office*	Clean Harbors Environmental Services, Inc. 4879 Spring Grove Ave. Cincinnati, OH 45232 Telephone: (513) 861.6242 Fax: (513) 681-0869 Ohio EPA Part B Permit No. OHD 000 816 629

* This will be the primary Technical Service Center (TSC) where equipment and personnel resources are dispatched and will also serve as the primary Transfer, Storage and Disposal Facility (TSDF) for receipt of waste. See attached Facility Fact Sheet for detail on this facilities present physical condition.

Principal Contact** James Gintz
CleanPack Specialist
Telephone: (513) 681-5738
Mobile Number: (513) 615-6219
gintz.james@cleanharbors.com

** The Principal contact is responsible for overall execution of this RFP and maintenance of any resulting contract.

B. COMPANY OVERVIEW

Clean Harbors is the leading provider of environmental, energy and industrial services throughout North America. The Company serves a diverse customer base, including a majority of the Fortune 500 companies, thousands of smaller private entities and numerous federal, state, provincial and local governmental agencies. Through its Safety-Kleen subsidiary, Clean Harbors also is a premier provider of used oil recycling and re-refining, parts washers and environmental services for the small quantity generator market.

Within Clean Harbors Environmental Services, the Company offers Technical Services and Field Services. Technical Services provide a broad range of hazardous material management and disposal services including the collection, packaging, transportation, recycling, treatment and disposal of hazardous and non-hazardous waste. Field Services provide a wide variety of environmental cleanup services on customer sites or other locations on a scheduled or emergency response basis.

Within Clean Harbors Energy and Industrial Services, the Company offers Industrial Services and Oil & Gas Field Services. Industrial Services provide industrial and specialty services, such as high-pressure and chemical cleaning, catalyst handling, decoking, material processing and industrial lodging services to refineries, chemical plants, pulp and paper mills, and other industrial facilities. Oil & Gas Field Services provide exploration, surface rentals, solids control, and environmental services to the energy sector serving oil and gas exploration, production, and power generation.

Clean Harbors' Safety-Kleen subsidiary is a leading North American used oil recycling and re-refining, parts washers and environmental solutions company for small quantity waste generators supported by the largest re-refining capabilities to convert used oil into base and blended lube oils. Safety-Kleen provides a broad set of environmentally-responsible products and services that keep businesses in balance with the environment.

Headquartered in Norwell, Massachusetts, Clean Harbors has waste disposal facilities and service locations throughout the United States and Canada, as well as Mexico and Puerto Rico.

Comprehensive Services

Our Service Centers are the primary interface with customers. In addition to the service efficiencies and cost savings provided by the proximity of Clean Harbors’ locations, the wide range of comprehensive environmental services available through Clean Harbors Service Centers assures local access to support services and consultation.

Company Services Fact Sheet

Technical Services

Technical Services—provides a broad range of hazardous material management services including the packaging, collection, transportation, treatment and disposal of hazardous and non-hazardous waste at Company-owned incineration, landfill, wastewater and other treatment facilities.

Waste Disposal
- Bulk waste disposal
- Drum waste disposal
- Incineration
- Wastewater treatment
- Landfill
- Fuel blending
- PCB disposal
- Explosives management
- Medical waste management and destruction
- Consumer product disposal
- Shredding services
- Large-scale waste removal and disposal projects
- Container management
- Transportation services
- Coolant management services

Recycled Services
- Chemical and solvent recycling
- Reuse, recycling and reclamation
- Chemical distribution and product sales
- Used oil and oil products recycling
- Electronic and obsolete equipment recycling and disposal
- Light bulb recycling
- Dry cleaning and imaging services

Chemical Packing
- CleanPack® laboratory chemical packing
- Reactive material services
- Cylinder and compressed gas management
- CustomPack® self-pack program
- Laboratory moves
- DEA controlled substance management
- Radioactive services and disposal

Household Hazardous Waste
- Temporary one-day collections
- Agricultural and pesticide collections
- Permanent collection facilities and depots
- Mobile collection programs
- Door-to-door collection programs
- Universal waste programs
- Special waste events
- Small quantity generator programs
- Consulting services

Online Services
- Profile Management
- Drum Scheduling
- Management Reports

Safety-Kleen

Safety-Kleen—provides used oil collection and re-refining services, and parts washers to the automotive industry, and allied products and a full range of environmental solutions for small quantity generators across North America.

safety-kleen.
A Clean Harbors Company

Oil Solutions
- Used oil collection
- Oil re-refining
- EcoPower® engine oil

Parts Cleaning Technologies
- Aqueous parts washers
- Solvent parts washers
- Paint gun cleaners
- Aqueous and solvent chemistries

Cleaning Products
- Safety-Kleen professional products
- Absorbents and wipers

Waste Management
- Fuel blending services
- Universal waste
- Automotive waste
- Landfill disposal
- Hazardous waste
- Solvent recycling
- Incineration service
- Wastewater treatment

Vacuum Services
- Oil water separator service
- Spill cleanup
- Drain, sump, pit and trench cleanout
- Tank pump out
- Process water disposal
- Sewer water drains
- Non-hazardous liquids and sludge disposal

Emergency Response
- 24/7/365
- Oil spill response
- Chemical and hazardous material spill response

Total Project Management
- Environmental services project specialists
- Single point of contact
- Remediation
- Technical services

Automotive Fluids
- Bulk Khameleon™ antifreeze/coolant
- Bulk Icebreaker™ windshield washer fluid

CleanHarbors

42 Longwater Drive • Norwell, Massachusetts 02061-9049 • 800.282.0058 • www.cleanharbors.com

Company Services Fact Sheet

Industrial & Field Services

Industrial & Field Services—provides industrial and specialty services such as high-pressure and chemical cleaning, catalyst handling, decoking, and material processing to refineries, chemical plants, and other industrial facilities. Also provides a wide variety of environmental cleanup services on customer sites or other locations on a scheduled or emergency response basis.

Emergency Response
- Oil spill response
- Chemical and hazardous material spill response
- Biological and infectious agent response
- Natural disaster response
- Emergency pump-outs
- Emergency waste disposal
- Standby emergency response coverage
- National response coverage programs

InSite Services
- Customized on-site environmental and industrial services
- Management and regulatory reporting
- Environmental program administration

Field Services
- Vacuum services
- Tank cleaning
- Decontamination
- Product recovery and transfer
- Demolition and dismantling
- Scarifying and media-blasting
- Steam cleaning
- Excavation and removal
- Facility closures
- Rail-car cleaning and inspection
- Maritime services
- Remediation services

Transformer Services
- Electrical equipment recycling and disposal
- Electrical equipment field services
- Removal, retrofill, recycling

Industrial & Specialty Services
- Catalyst services
- Decoking and pigging services
- Chemical cleaning
- High pressure services
- Dewatering and materials processing
- Outage and turnaround services
- Hydro-excavation
- Mining and SAGD support
- Liquid/dry vacuum
- Chemical hauling
- Tech Sonic cleaning technology

Lodging Services
- Permanent and temporary camps
- Client and open lodges
- Wastewater treatment plants
- Drill camps
- Manufacturing

Oil & Gas Field Services

Oil & Gas Field Services—provides fluid handling, fluid hauling, production servicing, surface rentals, seismic services, and directional boring services to the energy sector serving oil and gas exploration and production, and power generation.

Seismic Services
- Land and aerial surveying
- Line locating
- Line clearing and right of way clearing
- Mulching and hand cutting
- Shot hole and diamond drilling
- Land development
- Civil water and sewer infrastructure construction
- Seismic line cutting
- Helioportable drilling
- LiDAR mapping

Oilfield Transportation & Production Services
- Flush-by services
- Hot oiling
- Coil tubing
- Continuous rod services
- Pressure trucks
- Fluid handling, transportation and disposal
- Solids handling, transportation and disposal
- Hydro-excavation

Surface Rentals
- Drill camps and catering
- Wellsite trailers
- Solids control
- Centrifuges
- Auger tank technology
- Tank farms
- Mats
- Light towers
- Generators
- Sanitherm/SaniBrane water technology
- Chemical hauling

Directional Boring
- Drilling (conventional, mudmotor and air drilling)
- Directional punching
- Pipe ramming/pipe extraction
- Fusing services (licensed to fuse c900 pvc pipe)
- RG-05 rock shield pipe protection
- Soil testing and storage tank cathodic protection

Additional Services
- Fracking water treatment and disposal
- Drilling fluids and solids disposal
- Rolloff and frac tanks
- Oilfield hauling
- Downhole production services
- Transport production services

42 Longwater Drive • Norwell, Massachusetts 02061-9049 • 800.282.0058 • www.cleanharbors.com

C. GENERAL EXPERIENCE

Over the last **34 years**, Clean Harbors has provided sound, environmentally safe and cost effective disposal options for hazardous waste materials through our Technical Services Group.

Our Technical Services product line has been developed specifically for the collection and transporting of all containerized and bulk waste (Transportation and Disposal), as well as the categorization, packaging and removal of laboratory chemicals for disposal (CleanPack®). Through a network of Technical Service Centers, we dispatch our trucks to pick up customers' waste either on a pre-determined schedule or on demand, and then deliver it to one of our nearby Treatment, Storage and Disposal Facilities (TSDF). From these same Technical Service Centers, we can dispatch chemists directly to a customer location for the safe collection of chemical waste for disposal.

Complete Transportation and Disposal Options

Clean Harbors offers a tremendous number of waste stream disposal options. From incineration, waste treatment, recycling and landfill disposal, to more specialized services such as fuel blending and explosives management, we employ the most advanced technologies to treat or dispose of your waste materials. Clean Harbors disposal capabilities include:

- ✓ Incineration,
- ✓ Wastewater Treatment,
- ✓ Reuse, Recycling and Reclamation,
- ✓ Fuel Blending,
- ✓ PCB Disposal,
- ✓ Laboratory Chemical Disposal,
- ✓ Used Oil and Oil Products Recycling,
- ✓ Explosives Management,
- ✓ Landfill

Further peace of mind comes knowing that the majority of the waste Clean Harbors treats, disposes of, or recycles is handled at a company-owned and operated waste-management facility. Unlike many of our competitors, Clean Harbors does not broker your waste or liability to others.

D. HHW EXPERIENCE

Clean Harbors has positioned itself as the leader of Household Hazardous Waste (HHW) Management Programs in North America. Our diversity and experience allow us to successfully implement a comprehensive service package specifically designed for each individual client. As the nation's leading environmental services provider with experience in HHW, Clean Harbors continues to associate itself with successful collection programs.

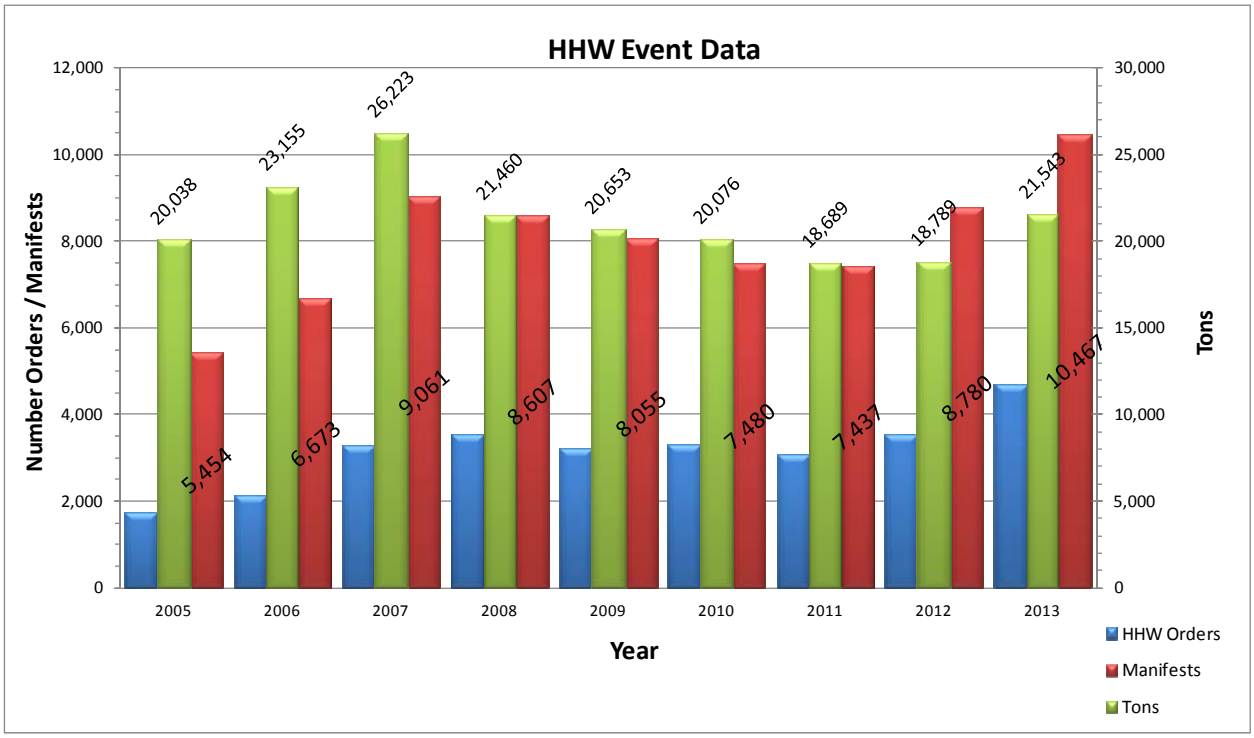
Nationwide, Clean Harbors has performed over 20,000 HHW collection events over the last two decades, and we currently average 45 HHW events per weekend. During the height of the HHW season, that average climbs to over 60 events for a period of 24-32 weekends per year. These events have ranged from small one-day collections to multiple-site regional and statewide collections. Types of programs managed include:

- Permanent HHW Collection Facilities
- Multiple One Day Collection Events
- Door- to-Door Collection Programs
- Reuse Programs
- Conditionally Exempt Small Quantity Generator and
- Temporary One Day HHW Collection Events
- Mobile HHW Collection Facilities
- Agriculture Pesticide Collection Events
- Landfill Load Check Programs
- Small Quantity Generator Programs (CESQG/SQG)

We are by far the most experienced and largest household hazardous waste service provider in the United States. This diversity and experience will allow Clean Harbors to successfully implement a comprehensive service package for LFUCG. The chart on the following page demonstrates the number of HHW Orders, Manifests and Pounds that we have successfully managed since 2005.

Over the past 5 years

Clean Harbors disposes an average of 19,900 tons of HHW waste annually



E. PERSONNEL EXPERIENCE

Our CleanPack chemists/technicians have the most extensive training and experience in the industry. Our proposed staff for LFUCG consists of skilled workers who ensure that your operation complies with public safety and environmental laws and regulations. In addition to their formal education, all chemists have at a minimum, completed all EPA training per 40 CFR 264.16, all OSHA training per 29 CFR 1910 and various other training modules (i.e. DOT, CDL, emergency response, etc.) to increase performance and productivity. These individuals have performed numerous pickups, involving packaging and removal of laboratory chemicals from academic institutions and over a 1,000 hours of past household hazardous waste collections from local municipalities. All our lead chemists are college degreed and have more than 5 years of experience in the characterization of waste materials and the packaging and removal of hazardous wastes, including 5 years of experience managing mobile HHW collection events.

The table on the next page lists the names of individuals, titles and years of experience that may perform work on-site during the collection day. Additionally, we are able to draw on local personnel to work at this event from our Safety-Kleen branch located at 550 Blue Sky Parkway, Lexington, KY 40509.

Name	Yrs. of Experience	Title	Name	Yrs. of Experience	Title
CleanHarbors					
James Gintz	15	Project Manager	Brad Schaffer	13	Driver Class A
Matt Opp	17	TSGM	Jerry Peters	20	Driver Class A
Robert Hague, CHMM	14	Sales	Richard Cerveny	5	Driver Class A
Jason Hornbeck, CHMM	7	Project Manager	Mike Guthrie	17	Driver Class A
Chris Lawhead	8	FS Specilist	Nancy Molnar	17	Driver Class A
Mike Feegee	14	Regional H&S Manager	Ryan Zuburris	2	Driver Class A
Andy Brzezinski	9	Sales	Robert Walker	21	Driver Class A
Scott Fryman	8	Facility Manager	Robert Selby	13	Driver Class A
Nick Dixon	14	Project Manager	Blake Horton	5	Plant Operations
Chad Spiering, CHMM	20	Project Manager	Alan Fink	5	Plant Operations
Steve Bley	16	Complience Manager	Dale Hoyte	22	Field Sevice Foreman
Roger Beatey	11	Operations Manager	Mike Gillespie	13	Field Sevice Foreman
David Fisher	19	Operations Manager	Tracey Law	12	Plant Operations
Steve Vasse	17	Facility GM	Justin Boggess	8	Field Sevice Tech
Trina Castro	15	CSR	Oscar Martinez	6	Field Service Tech
Barb Erdy	14	CSR	Dave Chesnut	14	Field Service Genreal Manager
Becky Plant	6	CSR	Scott Mcfarland	10	Field Service Foreman
Charles Streutker	5	Chemist	Kevin Blasco	5	Field Service Foreman
Kyle Wood	8	Chemist	David Becker	6	Field Service Tech
Corey DeRamus	14	Chemist	Dan Pitman	5	Field Sevice Tech/Driver
Frankie Featner	18	Chemist	Austin Emrick	2	HHW Tech
Paul Porter	3	Chemist	Stevens Sulender	2	HHW Tech
Sylvia Hadded	5	Chemist	Jess Stevens	4	HHW Tech
Nick Stringer	9	Chemist			
Sean Crawford	9	Chemist			
Jason Waters	7	Chemist			
David Sibert	15	Chemist			
RJ Howard	7	Chemist	Greg M. Taylor	10	Branch Manager
Adam Sabol	10	Chemist	Steve Grogan	8	Customer Service Manager
Mack Bell	11	Chemist	Dawn Dennison	6	Lead Admin
Tom Goulesec	25	Chemist	Kaleb Grant	8	Lead Material Handler
Craig Allphin	6	Chemist	Jed Lane	10	Sales
Steve Garlick	12	Chemist	Chris Probus	9	Sales
Dorin Beleaua	8	Chemist	Chad Hurst	5	Driver
Matt Chips	6	Chemist	Bill Smith	3	Driver
Mike James	14	Sales	Brad Hale	8	Driver
Kirk Voss	14	Driver Class A	Mike Burke	10	Driver
Rick Exner	27	Driver/Chemist	Joe Elmore	15	Driver
Jack Pernell	24	Driver Class A			
Doug Morgan	24	Driver Class A			
Cliff McInyre	18	Driver Class A			
Bobby Selby	18	Driver Class A			
Chris Ashcraft	5	Driver Class A			

Onsite Project Management

A dedicated team of professionals based out of our Ohio Valley Technical Service Center in Cincinnati, OH will manage the Lexington-Fayette Urban County Government (LFUCG) Household Hazardous Waste Disposal program. This team oversees equipment and manpower resources within the entire State of Ohio, Western Pennsylvania, West Virginia, Northern Kentucky and Eastern Indiana. Servicing the State of Ohio alone, we have 100 qualified personnel located at four (4) strategically located offices that can perform HHW collections.

No other service provider has such a huge resource of in-house, qualified personnel in the industry.

Onsite Responsibilities

Matt Opp, Technical Services General Manager for the Ohio-Pennsylvania Region. Mr. Opp brings 17 years of industry experience, including 5 years of experience coordinating the CleanPack program for the region. Mr. Opp is the corporate sponsor for this contract who oversees the Technical Services Coordinators and Specialists and ultimately controls all Clean Harbors regional resources and will be involved in the collection program, including personnel, equipment, transportation and disposal for this contract.

Project Manager

James Gintz, currently serving as CleanPack Specialist will serve as the *Project Manager* and assist the Event Coordinator during Household Hazardous Waste Collection events. As the single point of contact, Mr. Gintz, will provide overall management of the project. Mr. Gintz has more than 15 years of related work experience performing numerous Household Hazardous Waste Collections in. State of Ohio, James has managed and worked on over 200 HHW events in his career.

Lead CleanPack Chemist / Supervisor - a Lead CleanPack chemist is responsible for site set up, safety and communication between the contact and Clean Harbors during the event. The site supervisor will also serve as the emergency coordinator in the case of an emergency. All our lead / supervisor chemists are college degreed and have more than 3 years of experience in the characterization of waste materials and the packaging and removal of hazardous wastes.

CleanPack Chemists - are responsible for properly categorizing and packing the waste, generating packing lists, properly labeling the drums and preparing all of the necessary regulatory documentation and certifications. This includes preparation of Hazardous Waste Manifests.

Household Hazardous Waste Technicians – are responsible for assisting with site set-up, surveying and unloading waste as needed. Labels and marks containers and loads containers onto transportation vehicles. General housekeeping functions such as recycling, sweeping, disposal of non-hazardous trash.

Together, the team ensures quality service, cost control, and risk containment. Furthermore, the implementation and administrating of a program of this type will be simplified by the application

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

CleanHarbors ENVIRONMENTAL SERVICES®

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

CleanHarbors
ENVIRONMENTAL SERVICES®

Clean Harbors El Dorado, LLC • 309 American Circle • El Dorado, AR 71730 • 870.863.7173 • www.cleanharbors.com

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.

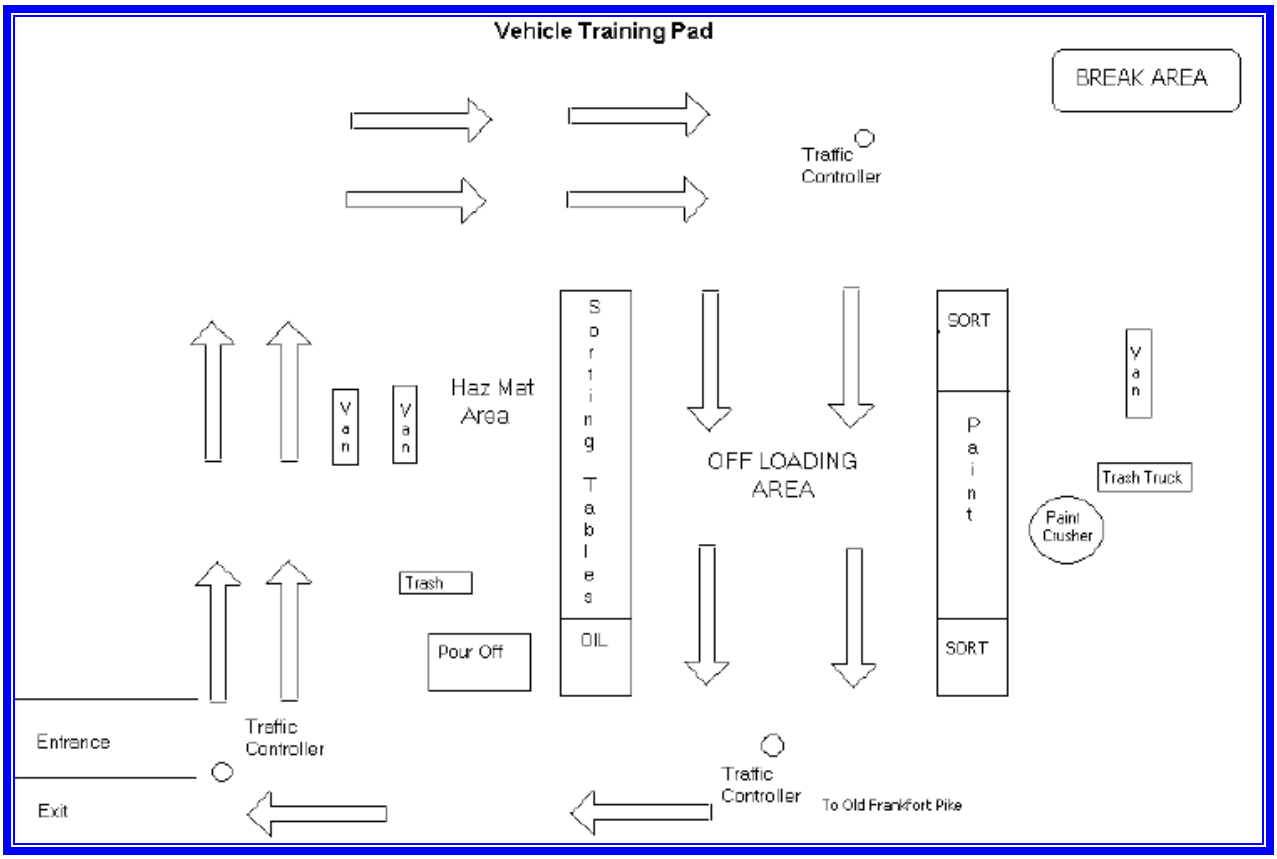
A. SITE SET UP AND DIAGRAM

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:

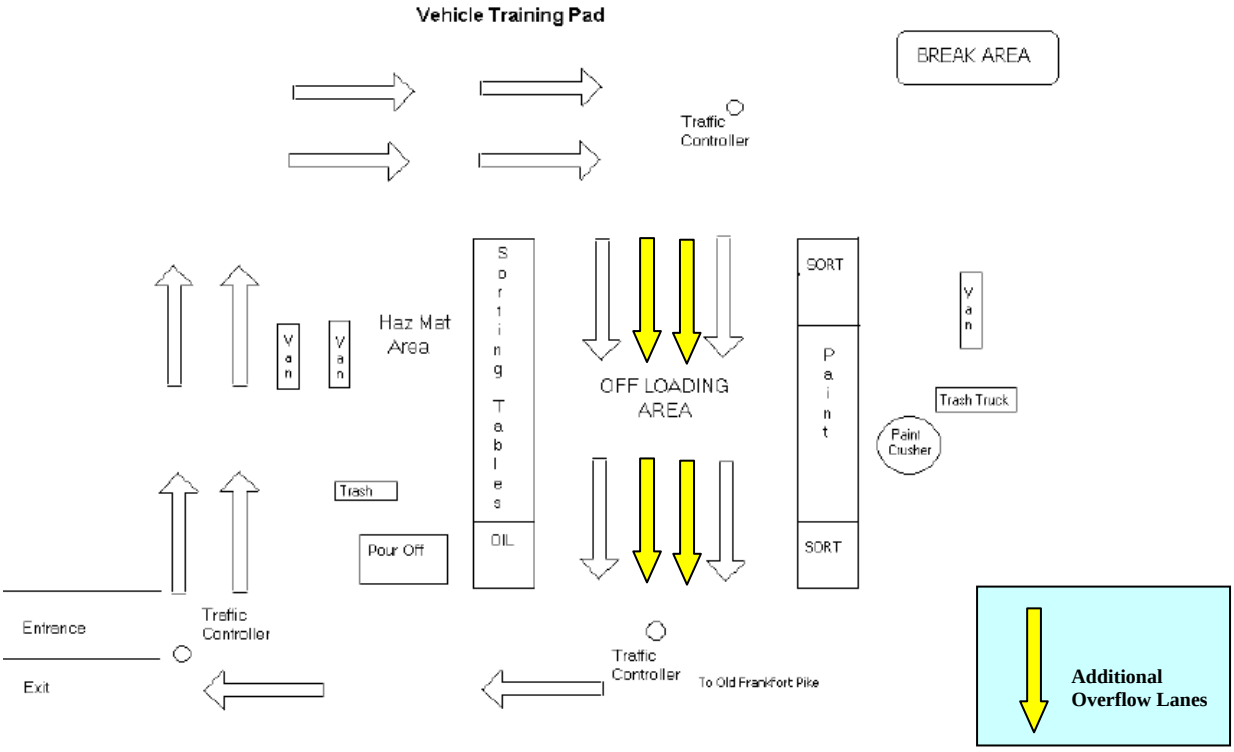
- Seal all storm drains
- Lay poly in locations where waste will be handled. Cover foot traffic areas with plywood.
- Work tables will be set up by placing poly-covered plywood on top of 55 gallon drums

- 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

12	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	

13	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	

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

15	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)		

28	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 or~~ 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.**

ADDITIONAL INFORMATION REQUESTED

ON-SITE COST TRACKING

Clean Harbors will have a staging area for the waste when containers become full. Each container will be weighed prior to loading and manifesting for transport to a Clean Harbors owned facility. For onsite estimated cost tracking CHES will provide an ongoing log to track the full containers in the staging using estimated weights for each waste category based on historical data. For final billing purposes manifested weights will be used, obtained by weighing each container prior to loading and manifested for transport.

SUBCONTRACTORS

Clean Harbors proposes to provide the HHW Collection Event without the use of consultants, or subcontractors. (Note: this does not include supplies purchased from MBE/WBE Company.) We believe the use of Clean Harbors' employees rather than subcontracted labor provides an additional level of liability protection for our clients while we are on-site. In addition, our staff provides a level of professionalism that may not be available through subcontracted staffing.

EQUIPMENT LIST

The following is a list of minimum equipment that will be required to set up and conduct collection site activities.

- ✓ White Tyvek
- ✓ Yellow Tyvek
- ✓ Poly bags
- ✓ Poly sheets (6 mil. or thicker)
- ✓ Caution and duct tape
- ✓ Warning and "No Smoking" signs
- ✓ First aid kits
- ✓ Traffic cones
- ✓ 1/2 inch plywood
- ✓ Tables
- ✓ Absorbent pads
- ✓ Drip pans
- ✓ Packing materials (vermiculite)
- ✓ Wind sock
- ✓ Brooms
- ✓ Ratchets
- ✓ Shovels
- ✓ Screwdrivers
- ✓ Putty knives
- ✓ Gloves
- ✓ Eyewash
- ✓ Test kit
- ✓ Test instruments
- ✓ SCBA
- ✓ Respirator cartridges
- ✓ Poly and steel 55 gallon, 16 gallon kiln packs and poly 5 gallon pails
- ✓ 85 gallon overpacks
- ✓ Reflective vests (for personnel off-loading and directing traffic)
- ✓ Paint Squishing Equipment
- ✓ Open head steel drums with intact gaskets.
- ✓ Combustible Gas Meter.
- ✓ PPE (Tyvek suits, PVC gloves, cut proof gloves, latex inner gloves)
- ✓ Non – sparking tools.
- ✓ Grounding cables
- ✓ 20lb. Fire extinguisher.
- ✓ Bale of 3M pads.
- ✓ Solvent mixture spray for cleanup.
- ✓ 2 bags of oil dry.
- ✓ Large air driven fan.

Paint Squisher

Clean Harbors has the equipment to process large volumes of paint. Our paint squisher has been modified to safely and efficiently process paints from collections that exceed 2,000 cars. The squisher is designed to fit on a truck, and be easily moved with a forklift. It is lifted up, pined and bolted in place to accommodate a 25 to 30 yd roll off can. Set uptime is about 20 minutes and except to change out a roll off boxes, can handle as much paint as can be produced by the collection without ever stopping.

On a very busy collection we can fill a 25 yd rolloff box with crushed cans in about 2 hours. That's about 4-5 totes, and between 1,100 to 1,400 gals of waste. **No other contractor has a machine that can do this volume of paint processing in the same amount of time.**

LIST OF RECYCLING, DISPOSAL, OR TRANSFER FACILITIES

The facilities identified will be utilized as **primary receiving facilities** for this contract. Copies of permits for these facilities can be provided upon request. Final disposal method and site to be utilized will be based on a combination of the wastes physical/chemical composition, packaging type, facility availability, cost-effectiveness, and environmental and contractual requirement's. Proposed disposal method for each waste material is identified in the Pricing Sheets.

Due to the wide variety of wastes that may be encountered in HHW programs, all pricing presented in this proposal is based on our ability to fully utilize all Clean Harbors and approved 3rd-party TSDFs. A listing of Clean Harbors' facilities that we anticipate using for this contract is presented below. Also presented in this section is a listing of the approved 3rd party hazardous waste facilities that will be used for specialized needs, such as recycling of batteries, light bulbs, mercury, oil, antifreeze, electronic equipment, etc. If the County wishes to reduce the number of sites approved for disposal, additional costs may be applied due to increased handling of wastes and reduced economies of scale.

Clean Harbors Owned and Operated Facilities

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
Clean Harbors Deer Park, LLC 2027 Independence Parkway South La Porte, TX 77571	281-930-2300	Incinerator / PCBs	TXD055141378
Clean Harbors PPM, LLC 1672 East Highland Road Twinsburg, OH 44087	330-425-3825	PCB Facility	OHD986975399

Clean Harbors La Porte, LLC 500 Battleground Road La Porte, TX 77571	281-476-0645	TSDF, Cylinder treatment	TXD982290140

Third Party Waste Disposal Facility List

Clean Harbors will use minimal third party disposal facilities for this contract. The following is a list of 3 rd party facilities Clean Harbors we anticipate using. Clean Harbors reserves the right to use any of its approved third party disposal outlets. Your Account Manager Robert Hague will be the point of contact should you have any questions about these facilities.

Facility Name / Address	Facility Type	EPA ID#
All Safe Fire & Security 915 Washington Avenue Minneapolis, MN 55401	Gas Cylinders	MNR000001164
Bethlehem Apparatus 890 Front Street Allentown, PA 18055	Mercury Recovery	PAD002390961
Covanta Indianapolis Inc 2320 South Harding Street Indianapolis, IN 46221	Waste to Energy	IND984882369
Consolidated Recycling Company 11210 Solomon Road Troy, IN 47588	Antifreeze Recycling	IND098958283
CWM Chemical Services LLC 1550 Balmer Road Model City, NY 14107	TSCA Subtitle C Landfill	NYD049836679
Interstate Battery 4775 Interstate Drive Cincinnati, OH 45246-	Battery Recycler	N/A
Kinsbursky Bros. d/b/a Toxco 8090 Lancaster Newark Rd. Baltimore, OH 43105	Battery Recycler	OHR 000 038 513
Kinsbursky Brothers Inc 1314 North Anaheim Boulevard Anaheim, CA 92801	Battery Recycler	CAD088504881
Rumpke Sanitary Landfill, Inc 10795 Hughes Road Cincinnati, OH 45251	Subtitle D landfill	OHD001851534
USA Lamp & Ballast Recycling, Inc 7806 Anthony Wayne Avenue Cincinnati, OH 45216	Mercury Recovery	OHR000109819
WM-LampTracker 5355 North 51st Avenue Glendale, AZ 85301	Mercury Recovery	AZD982434185

Waste Tracking

At the moment a truck arrives with waste at one of our Service Centers, Clean Harbors assigns to each container a unique tracking number. This number is printed on labels as corresponding bar codes and attached to each drum.

Every time the containers are moved, whether from truck to truck or from one location to another in a facility, the bar code labels are scanned and the data is uploaded into our Waste Information Network ("WIN").

Drums and/or boxes that are bulked/consolidated into larger containers (i.e. tanks, roll offs, etc.) are also noted in WIN; and a new tracking number is created that lists all the original numbers.

Regardless of where the material is shipped, WIN will have the ability to generate real-time reports mapping the path that your waste took from pickup to disposal/recycling.

These Waste Tracking Reports will include a signed Certificate of Treatment, and will indicate:

- The manifest number(s)
- Each container's tracking number
- The new tracking number if bulked/consolidated
- The final disposal facility
- The waste management method code
- The date of final disposal/recycling

DESCRIPTION OF ONSITE ACTIVITIES

Receiving and Segregating Waste

When a vehicle enters the off-loading area, the resident will be instructed to remain in their vehicle. Clean Harbors' personnel will inspect the waste at the participant's vehicle before removal.

In the event that a participant has an excessive amount of waste for disposal, or waste suspected of being generated from locations other than households, the County Project Manager will be advised. The excessive or unusual waste shall only be accepted per the County Project Manager's approval.

If deemed acceptable the materials are unloaded from passenger vehicles. All containers will be checked for labels and participants will be asked to confirm contents.

If there is no label but the participant can identify the container's contents then the identity will be written on the container with indelible marker. Carrying trays or carts may be used to transport the waste containers from the vehicles to the segregating tables.

Most materials are placed onto the screening tables for segregation. Oil-based paint in one-gallon or larger containers will be placed immediately into the cubic yard boxes (or roll-off container if one is used). Automotive fluids and/or flammable liquids will be taken directly to the pour-off consolidation area.

Household hazardous waste will be segregated into one of the following categories: acids, bases, oxidizers, pesticides, poisons, aerosols, oil-based paint, solvents, reactives, unknown materials and non-hazardous / non-regulated materials (e.g. latex paint, etc.). Non-regulated materials will be placed into the County's solid waste bin.

Waste Packaging

After materials are identified and segregated, the appropriate packaging method for each container is determined in accordance with container size, type, hazardous characteristics, and quantity of waste. Clean Harbors will package waste in the most economical size containers.

- Aerosols will be loose packed into 55-gallon drums and/or fiber co-pack containers. For safety reasons, nozzles will be removed from aerosol cans that lack lids / caps.

- Oil-Based Paint in 1-gallon and 5-gallon containers will be squished into 55-gallon drums and the empty cans will be thrown into the County's solid waste bin for disposal. Pints, quarts and non-processable paints will be loose packed into cubic yard boxes and/or, 55-gallon drums.

- Tars and Adhesives will be loose packed into 55-gallon drums and/or cubic yard boxes.
- Pesticide Liquids and Solids, Oxidizers, Poisons, and Corrosives will be lab packed (separately) into poly drums.
- Reactives, such as Organic Peroxides, will be lab packed into 5-gallon poly pails.
- Mercury will be lab packed into 5-gallon poly pails; elemental mercury will not be packaged in the same containers as mercury compounds.
- Fluorescent Tube Lamps will be placed into 4-foot or 8-foot cardboard lamp boxes.
- Automotive Lead Acid Batteries will be strapped to pallets.
- Alkaline Batteries will be loose-packed into 55-gallon steel or 30-gallon poly containers. In the event that quantities are low, then 5-gallon poly pails will be used instead.
- Nickel-Cadmium, Mercury, and Nickel Metal Hydride Batteries will be insulated from each other with tape and packaged (separately) into poly containers.
- Lithium Batteries (the non-rechargeable type) will be segregated into individual batteries and shipped for recycling via the Big Green Box program.
- Non-Regulated Liquids and Solids, as well as Asbestos, will be loose packed (separately) into 55-gallon drums and/or cubic yard boxes.
- Lantern-Size Propane Cylinders, Small Refrigerants, and Fire Extinguishers will be placed (separately) into 55-gallon drums along with vermiculite for cushioning.

Bulking / Consolidation

Clean Harbors will consolidate drums of flammable liquids and/or automotive fluids onsite if sufficient quantities are collected. To allow for vapor headspace, consolidation drums are considered full at approximately 50-gallons.

Before pour-off begins, a steel 55-gallon drum is opened using non-sparking bung wrenches. One end of a flexible grounding cable is attached to the drum, and the other end to a ground source. A 20-pound ABC fire extinguisher is also placed within easy reach.

Individual containers of materials suitable for pour-off will be transferred to a table adjacent to the bulking operation. The entire side and top exterior surfaces of all glass and plastic containers are first wiped down with a wet cloth; and then opened slowly to relieve any pressure.

With the exception of motor oil, any pourable materials not

in their original containers will be set aside for pH / oxidizer testing; and separate consolidation utilizing compatibility ("bucket") testing.

While performing a bucket test, our technician will monitor for any possible reaction between the materials, such as smoking, fuming, spattering, heat generation, etc. If a reaction occurs, then both the suspect material and bucket test container will be lab packed together for incineration. The technician will perform the next bucket test with a new container.

Manifesting and Labeling

Using a laptop computer and our proprietary software, Clean Harbors will electronically prepare all shipping paperwork in accordance with Federal, State and Local regulations. Paperwork includes manifests, bills of lading, packing lists, and container labels.

Our chemists will assign a unique number to each lab pack container. As a drum is being packaged, the contents will be entered into the computer program. Once the container is full, this data is then used to generate and print a packing list and waste label that will be attached to the drum, along with the appropriate U.S. DOT diamond marking(s). Cubic yard boxes will be marked with diamond placards instead of markings, per 49 CFR standards.

After the containers are entered in the system, manifested, and appropriately marked, Clean Harbors' employees will then load them onto the truck.

Demobilization

Prior to leaving a Household Hazardous Waste Collection Event, the following activities will be performed:

- ☑ Verify all waste has been properly packed
- ☑ Review lab-pack drum inventories for compatibility
- ☑ Check drums for proper markings and labels and accumulation dates
- ☑ Check drum inventory sheets
- ☑ Ensure drums are free and clean of contamination
- ☑ Check that drum rings and bungs are secure
- ☑ Count all drums prior to loading
- ☑ Make sure manifests / bills of lading are completed and signed
- ☑ Include all proper variances with manifests
- ☑ Place proper placards on truck prior to transport and check against manifest
- ☑ Load all equipment and supplies

- ☑ Complete all upkeep and housekeeping
- ☑ Sign out all employees
- ☑ Remove all waste from the site after event is terminated
- ☑ Ensure that site is at its pre-collection day condition

INSURANCE DOCUMENTATION

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

Page 1 of 2

DATE (MM/DD/YYYY): 10/30/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies)must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER

Willis of Massachusetts, Inc.
c/o 26 Century Blvd.
P. O. Box 305191
Nashville, TN 37230-5191

CONTACT NAME:
PHONE (A/C, NO, EXT): 877-945-7378 FAX (A/C, NO): 888-467-2378
E-MAIL ADDRESS: certificates@willis.com

INSURER(S) AFFORDING COVERAGE	NAIC#
INSURER A: ACE American Insurance Company	22667-001
INSURER B: American Guarantee and Liability Insuranc	26247-003
INSURER C: Indemnity Insurance Company of North Amer	43575-003
INSURER D: Catlin Specialty Insurance Company	15989-000
INSURER E:	
INSURER F:	

INSURED

Clean Harbors Environmental Services, Inc.
and its affiliates
42 Longwater Drive
Norwell, MA 02061

COVERAGES **CERTIFICATE NUMBER:** 20641092 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADD'L INSRD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			HDOG27327758	11/1/2013	11/1/2014	EACH OCCURRENCE	$ 2,000,000
	X COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurence)	$ 500,000
	CLAIMS-MADE X OCCUR						MED EXP (Any one person)	$
	X XCU						PERSONAL & ADV INJURY	$ 2,000,000
	X Contractual						GENERAL AGGREGATE	$ 4,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$ 4,000,000
	POLICY X PRO-JECT LOC							$
A	AUTOMOBILE LIABILITY			ISAH08815161	11/1/2013	11/1/2014	COMBINED SINGLE LIMIT (Ea accident)	$ 5,000,000
	X ANY AUTO						BODILY INJURY(Per person)	$
	X ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY(Per accident)	$
	X HIRED AUTOS / X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
	X MCS-90							$
B	X UMBRELLA LIAB X OCCUR			AUC-4275262-09	11/1/2013	11/1/2014	EACH OCCURRENCE	$ 10,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 10,000,000
	DED RETENTION $							$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N			WLRC47873976	11/1/2013	11/1/2014	X WC STATU-TORY LIMITS / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N (Mandatory in NH)	N/A					E.L. EACH ACCIDENT	$ 2,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 2,000,000
							E.L. DISEASE - POLICY LIMIT	$ 2,000,000
D	Contractors Pollution Liability			CPV-671802-1114 CPL	11/1/2013	11/1/2014	$10,000,000 Each Claim $10,000,000 All Claims $250,000 SIR	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach Acord 101, Additonal Remarks Schedule, if more space is required)

See Attached:

CERTIFICATE HOLDER

For Reference Only
-
-

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Coll:4253301 Tpl:1725887 Cert:20641092

ACORD 25 (2010/05)

AGENCY CUSTOMER ID: 076900

LOC#:

ACORD

ADDITIONAL REMARKS SCHEDULE

AGENCY	NAMED INSURED
Willis of Massachusetts, Inc.	Clean Harbors Environmental Services, Inc. and its affiliates 42 Longwater Drive Norwell, MA 02061
POLICY NUMBER See First Page	
CARRIER: See First Page / NAIC CODE	EFFECTIVE DATE: See First Page

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE

Pollution Legal Liability
Carrier: Indian Harbor Insurance Company
Policy Number: PEC0042039
Policy Term: 10/1/2013 - 11/1/2014
Limits: $10,000,000 Each Claim/Aggregate

Mercer County Solid Waste District
220 W. Livingston St., Rm. 230
Celina, OH 45822
419-586-3695

To Whom It May Concern:

The Mercer County Solid Waste District has had Clean Harbors Environmental Services as our household hazardous waste facilitator since 1999.

They run a very smooth and clean operation. They are set up and ready to go when our event begins. When the event is over they clean up and everything looks just as good or better then when they arrived. Their employees have been courteous and helpful to both the public and us during our event.

They make a very challenging event seem relatively easy. We as a district highly recommend the use of Clean Harbors as a HHW facilitator. If you have any questions, please call us at 419-586-3695.

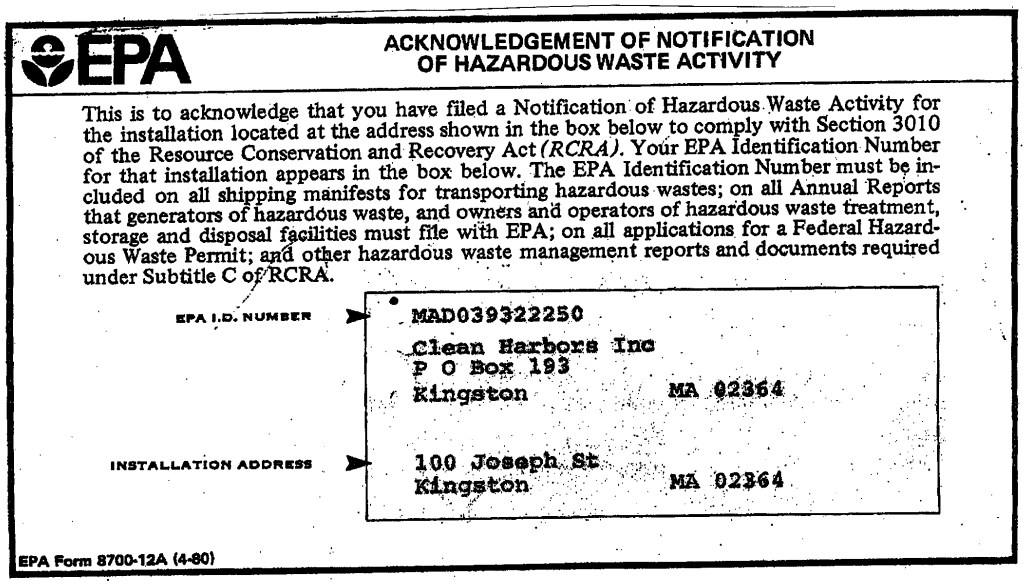
Sincerely,

MERCER COUNTY S.W.M.D.

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		

US EPA Hazardous Waste Transporter Identification Number



EPA

ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act *(RCRA)*. Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER ➤ MAD039322250

Clean Harbors Inc
P O Box 193
Kingston MA 02364

INSTALLATION ADDRESS ➤ 100 Joseph St
Kingston MA 02364

EPA Form 8700-12A (4-80)

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
PIPELINE AND HAZARDOUS MATERIALS SAFETY ADMINISTRATION

HAZARDOUS MATERIALS CERTIFICATE OF REGISTRATION FOR REGISTRATION YEAR(S) 2014-2017

Registrant: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Attn: RITA POWERS
PO BOX 9149
NORWELL, MA 02061-9149

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S.C. 5108. It is unlawful to alter or falsify this document.

Reg. No: 060314 555 043WY **Issued: 06/03/2014** **Expires: 06/30/2017**

HM Company ID: 007987

Record Keeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

(1) A copy of the registration statement filed with PHMSA; and
(2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, PHH-52, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, 1200 New Jersey Avenue, SE, Washington, DC 20590, telephone (202) 366-4109.

U.S. Department
of Transportation

Federal Motor Carrier Safety Administration

1200 New Jersey Ave., S.E.
Washington, DC 20590

March 13, 2014

In reply refer to:
USDOT Number: 180743

MC Number: MC152120

ALAN S MCKIM
CHAIRMAN
CLEAN HARBORS ENVIRONMENTAL SERVICES INC
PO BOX 9149
NORWELL, MA 02061

HAZARDOUS MATERIALS SAFETY PERMIT
HM Safety Permit ID: US-180743-MA-HMSP
Effective Date: March 13, 2014

Dear ALAN S MCKIM:

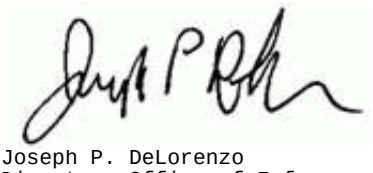
The Hazardous Materials Safety Permit (HMSP) is verification of the motor carrier's permission to engage in the transportation of hazardous materials listed in 49 CFR 385.403 by motor vehicle in interstate, intrastate, or foreign commerce.

This HMSP will be effective beginning March 13, 2014 and remain effective through March 31, 2016 if your company maintains compliance with the requirements pertaining to the safe and secure movement of hazardous materials for the protection of the public (49 CFR 385 and other applicable Federal Motor Carrier Safety Regulations and Hazardous Material Regulations). Failure to maintain compliance will constitute sufficient grounds for suspension or revocation of this authority.

Willful and persistent noncompliance with applicable safety fitness regulations as evidenced by a Department of Transportation safety fitness rating less than "Satisfactory" or by other indicators, could result in a proceeding requiring the holder of this permit to show cause as to why this authority should not be suspended or revoked.

For questions regarding this document you may contact the FMCSA Hazardous Materials Division at 202-366-6121.

Sincerely,



Joseph P. DeLorenzo
Director, Office of Enforcement and Compliance

Alliance for Uniform HazMat Transportation Procedures
Uniform Program Credentials

CLEAN HARBORS ENVIRONMENTAL SERVICES INC
PO BOX 9149
NORWELL, MA 02061

ALLIANCE FOR UNIFORM HAZMAT TRANSPORTATION PROCEDURES

USDOT Census #	**00180743**	
MC Docket #	**00152120**	
EPA Transporter ID #	**MAD039322250**	18500
Intrastate Motor Carrier #:	**N/A**	99342

Phone Number to call in case of a accident or emergency: **800-483-3718**

Uniform Program ID:	**UPW0180743OH**		
Certified By:	**Leonard Shenk**		
Issuance Date:	**06-Sep-2013**	Expiration Date:	**01-Oct-2014**
Issuing Agency:	**PUBLIC UTILITIES COMMISSION OF OHIO**		
Agency Telephone:	**(614) 466-3392**		

THE PUBLIC UTILITIES COMMISSION OF OHIO

MICHIGAN
Michigan Department of Environmental Quality
Waste and Hazardous Materials Division
Southeast Michigan District
27700 Donald Court
Warren, MI 48092-2793
Phone: 586 753-3840
Fax: 586 753-3831

NEVADA
Nevada Highway Patrol
HazMat Registration & Permit Section
555 Wright Way
Carson City, NV 89711-0525
Phone: 775 684-4622
Fax: 775 684-4649

OHIO
Public utilities Commission of Ohio
180 East Broad Street
14th Floor
Columbus, OH 43215-3793
Phone: 614 466-3392
Fax: 614 728-9292

OKLAHOMA
Oklahoma Corporation Commission
Transportation Division
P.O. Box 52000
2101 North Lincoln Blvd.
Oklahoma City, OK 73152-2000
Phone: 405 521-2915
Fax: 405 521-2916

WEST VIRGINIA
Public Service Commission of West Virginia
Motor Carrier Section
201 Brooks Street
P.O. Box 812
Charleston, WV 25323
Phone: 304 340-0456
Fax: 304 340-0394

KENTUCKY DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
CERTIFICATE OF REGISTRATION
FOR HAZARDOUS WASTE MANAGEMENT ACTIVITY

ISSUED TO:

CLEAN HARBORS ENVIRONMENTAL SERVICES
INC
ATTN: RITA POWERS
P O BOX 9149
NORWELL MA 02061

LOCATED AT:

42 LONGWATER DR
NORWELL MA 02061

TYPE OF CERTIFICATE: MODIFICATION (CORPORATE ADDRESS CHANGE)

The Division of Waste Management hereby issues the above-named installation a Certificate of Registration for the hazardous waste activity specified below. This Certificate is issued under the provisions of KRS Chapter 224 and regulations promulgated pursuant thereto. Conformance with all applicable laws and regulations is the responsibility of the registrant. All rights of inspection by representatives of the Division of Waste Management are reserved.

This Certificate supersedes all previous Certificates of Registration.

EPA ID#: MAD-039-322-250

STATE: MASSACHUSETTS

ISSUED: DECEMBER 12, 2006

EFFECTIVE: NOVEMBER 9, 2006

EXPIRATION: NONE

ACTIVITY: HAZARDOUS WASTE TRANSPORTER

April J. Webb, P.E.
Branch Manager
Hazardous Waste Branch

Edith Greer/Maria Wood
Environmental Technologists
E-mail: Edith.Greer@ky.gov
E-mail: Maria.Wood@ky.gov

Questions concerning this Certificate should be directed to Edith Greer or Maria Wood at (502) 564-6716

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

Enforcement Action Summary Report

Facility *Spring Grove*

Date Received	Agency	Enforcement Type	Alleged Violation	Proposed Penalty	Status	Resolution Date	Penalty Paid
8/4/2010	Ohio EPA	Notice of Violation	1. Mischaracterized drums were changed from NON Hazardous to Hazardous without changing the tracking label to Hazardous 2. One manifest was not dated 3. Unable to locate one inspection form	$0.00	Resolved w/o Penalty		$0.00
		EA Number:	**Description of Resolution:**				
1/24/2011	OEPA	Notice of Non-Compliance	Deficiencies noted during an RMP audit: 1) Documentation of worst case scenario and alternative scenarios was not readily available, 2) No documented maximum inventory for the process, 3) the Process Hazard Analysis for 2010 was not completed, 4) some mechanical deficiencies form tank inspections had yet to be repaired, 5) Some compliance audit observations were not certified as completed.	$0.00	Resolved w/o Penalty	4/25/2013	$0.00
		EA Number:	**Description of Resolution:**				
2/4/2011	OEPA	Notice of Violation	The facility accepted mischaracterized waste and disposed of the hazardous waste at a non-hazardous waste disposal facility resulting in seven separate violations of the facility's operating permit.	$0.00	Resolved w/o Penalty		$0.00
		EA Number:	**Description of Resolution:**	Provided corrective actions to the OEPA.			

4/6/2011	Ohio EPA	Compliance Advisory	1) Failure to follow the requirements of the Waste Analysis Plan (WAP) of the permit.	$0.00	Resolved w/o Penalty	4/25/2013	$0.00

EA Number: ***Description of Resolution:***

11/22/2011	Ohio EPA	Notice of Violation	1) Failure to comply with the "General Duty" clause of the permit, 2) Inadequate waste profile information	$0.00	Resolved w/o Penalty	4/25/2013	$0.00

EA Number: ***Description of Resolution:***

10/11/2012	Ohio EPA	Notice of Violation	Failure to comply with the general duty clause of the permit, acceptance of hazardous waste not on a manifest and exceeding storage time limits on a waste shipment that a generator classified as non-RCRA regulated claiming a conditionally exempt small quantity generator status. The OEPA alleges the generator shipped waste in quantities above the exemption limits and should have been on a manifest and managed as hazardous waste.	$0.00	Resolved w/o Penalty	4/25/2013	$0.00

EA Number: ***Description of Resolution:***

5/2/2014	Ohio EPA	Notice of Violation	Failure to comply with all Ohio hazardous waste rules by accepting a hazardous waste liquid, that was not identified as hazardous, and disposing of the material in a sanitary landfill. Failure to submit an unmanifested waste report within fifteen days of receipt.	$0.00	Pending		$0.00

EA Number: ***Description of Resolution:***

Enforcement Action Summary Report

Facility *El Dorado*

Date Received	Agency	Enforcement Type	Alleged Violation	Proposed Penalty	Status	Resolution Date	Penalty Paid
8/20/2009	ADEQ	Consent Administrative Order	Failure to follow waste analysis procedures; storage of non-water reactive wastes and non-oxidizer wastes in permitted areas designated for water reactive and oxidizer wastes; hole and leaking observed in saturator, insufficient insurance policy language.	$149,500.00	Resolved	1/27/2010	$70,000.00
		EA Number:	LIS No. 09-130	***Description of Resolution:***	Submit various permit modifications to reflect the negotiated resolution, payment of $70,000 penalty and revision of specified standard operating procedures.		
8/26/2010	ADEQ	Compliance Advisory	(1) Failure to deliver the entire quantity of hazardous waste to the designated facility on the manifest. - The manifest was being executed as received at the El Dorado facility while the waste was still in the adjacent transportation facility.	$1,062.50	Resolved		$853.00
		EA Number:	LIS 11-013	***Description of Resolution:***	Paid civil penalty		

8/27/2010	ADEQ	Consent Administrative Order	6 issues resulted from a load of palletized waste shipped improperly (shipped as 24 pallets with 48 containers on each pallet). 1) Failure to place waste in storage within 24hours of receipt, 2) Failure to record the exact location and volume of waste in each location of the facility, 3) Failure to place waste in permitted storage within 24 hours of signing the manifest, 3) Failure to affix a label to each container for tracking date of acceptance, 4) Failure to clearly mark each container with the date of accumulation, 5) Holding waste on trailers greater than 24 hours, 6) Holding waste greater than 24 hours on the kiln dock.	$8,750.00	Resolved	$6,600.00
		EA Number:	***Description of Resolution:***			
2/3/2011	ADEQ	Notice of Non-Compliance	1) Failure to mark each container with the words "Hazardous Waste", 2) Failure to list the date of waste accumulation on a container, 3) Failure to maintain the saturator to prevent an observed leak, 4) Failure to transfer waste from a container in poor condition to a container in good condition, 5) Failure to keep a container closed except when adding or removing waste, 6) Failure to maintain DRS building to prevent rain water from entering the building.	$0.00	Resolved w/o Penalty	$0.00
		EA Number:	***Description of Resolution:***			
3/22/2011	ADEQ	Notice of Violation	3rd and 4th quarter continuous emissions monitoring (CEM) reports were submitted late	$2,500.00	Resolved	$2,520.00
		EA Number:	***Description of Resolution:***			

1/26/2012	ADEQ	Warning Letter/Notice	Exceedance of the NOx emission limit during a Comprehensive Performance Test	$10,012.00	Resolved	4/7/2013	$10,012.00

EA Number: ***Description of Resolution:*** Entered into an Administrative Consent Order

11/20/2012	ADEQ	Warning Letter/Notice	Operation of a bulb recycling machine without the proper permits	$5,500.00	Resolved	1/31/2013	$3,575.00

EA Number: LIS 13-020 ***Description of Resolution:*** Signed an administrative consent order dated January 31, 2013 with a civil penalty and supplental environmental project.

5/10/2013	USEPA	Notice of Violation	1) Failure to Make a Hazardous Waste Determination because Clean Harbors was obligated to determine whether the Saturator Sludge from the air pollution control device was a hazardous waste., 2) the Brine Unit is a hazardous waste management Unit and we have not obtained authorization to operate it. 3) Failure to Comply with RCRA Tank Standards in the Brine Unit 4) Failure to Meet Land Disposal Restrictions 5) Failure to Comply with Air Emission Standards for Permitted Hazardous Waste Tanks.		Resolved	4/25/2014	$581,236.00

EA Number: RCRA-06-2014-0906 ***Description of Resolution:*** Entered into a consent order with US EPA whereby the Company agreed to permit the Brine Unit as a RCRA regulated unit, upgrade the air pollution control equipment on the tank farm and pay a civil penalty.

8/2/2013	ADEQ	Notice of Violation	1) Exceeding 24 hours to place a newly received waste into a storage row, 2) Failing to maintain the exact location of a missing container and 3) failure to submit reports for unresolved manifest discrepancies.	$24,000.00	Resolved	9/9/2013	$11,977.30

EA Number: LIS 13-148 ***Description of Resolution:*** Entered into a Consent Administrative Order with civil penalties.

8/15/2013	ADEQ	Notice of Non-Compliance	Effluent discharge violations of the NPDES permit from January 2011 to August 2013.	$0.00	Resolved	4/8/2014	$0.00

EA Number:

Description of Resolution: Responded to ADEQ with additional information.

HOUSEHOLD HAZARDOUS WASTE
SUPERVISOR MANUAL
CP2015

06-23-09 V5

HHW Collection Guidelines V13
HHW Supervisor Manual V5

HOUSEHOLD HAZARDOUS WASTE COLLECTIONS

SITE NAME: _____

SITE ADDRESS: _____

_____

_____

_____

PLAN DATE: _____

HOUSEHOLD HAZARDOUS WASTE COLLECTIONS GUIDELINES

Table of Contents

HOUSEHOLD HAZARDOUS WASTE COLLECTIONS GUIDELINES

1. INTRODUCTION

- Household Hazardous Waste (HHW) 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 a mishap, Clean Harbors Environmental Services, Inc. (CHES) has established this Health and Safety Guideline for HHW operations. Although this guideline presents general requirements for HHW operations, additional requirements may be imposed based on client bid specifics.

- This guideline attempts to address the issues involved with the handling of HHW in order to minimize potential human exposure to or injury from handling HHW, as well as to reduce the potential for any environmental contamination.

2. TRAINING

2.1. General Requirements

All CHES employees participating in HHW collections must have successfully completed the appropriate training as outlined in this section. Also see HHW Personnel Training Matrix in Appendix 9. The training will enable the employee to safely perform her/his function, as well as satisfy the operational objectives of the HHW collection.

2.2. Project Managers/Supervisors

Employees involved with the supervision of operations, waste-related decision making, lab packing wastes, and completion of paperwork must have the following training; 40-Hour HAZWOPER Training, CleanPack Training (if CP Training has not been completed, you must get approval from the TS Manager of Chemist Training Development), Clean Harbors HHW Training Program for Project Managers and Supervisors, Current 8-Hour Annual OSHA Refresher, and Hazardous Materials Identification Training. Medical surveillance coverage, and respirator fit testing all must be current.

2.3. Chemist

Field Chemist must have successfully completed 40-Hour HAZWOPER Training, CleanPack Training, and, the HHW Orientation Training.

2.4. Technicians

Technicians must have at a minimum, 24-Hour OSHA training to perform pour-off operations. All Technicians must have completed Clean Harbors HHW Orientation Training. In order to perform other functions, their training must meet the specifications identified per job function. Their OSHA training, medical surveillance coverage, and respirator fit testing all must be current.

2.5. Other Employees Handling Wastes

Employees involved in any other waste handling operations (i.e. off-loading cars, stacking paints) must have completed HHW Orientation Training and attended the Project Site Safety Briefing. Any employee involved in any facet of preparing hazardous materials for transportation must have been trained and be current with DOT 8 hour training.

2.6. Site Safety Meeting

2.6.1. After site setup, the CHES Site Supervisor must conduct a site safety meeting. The purpose of this meeting is to assure each crew member is aware of the following:

A. Requirements of the Clean Harbors HHW Guidelines;

B. Each Person's Role in the HHW Collection;

C. Location of Safety Equipment;

D. Contingency Plans;

E. Waste Packing Guidelines & Unacceptable Materials;

F. Chemical/Physical Hazards Associated with the Wastes and Collection Activities;

G. Personal Protective Equipment Requirements; and

H. Safety Precautions/Work Practices.

2.6.2. The Site Supervisor will utilize the Site Safety Meeting Checklist and Acknowledgment in Appendix 3 to document the meeting. All individuals who will enter work areas must participate in the meeting and sign-off on the Acknowledgment. Other people at the site associated with the HHWC (local officials, volunteers, EPA personnel, etc.) also should be included in the safety meeting.

3. SITE REQUIREMENTS

3.1. Site Placement

Site placement requires careful consideration in order to ensure the safety of the operations, as well as the prevention of environmental contamination. Adequate room for collection activities, equipment, waste containers, and vehicle access/exit must be maintained. The following must be considered when determining the appropriate location of the waste collection area:

3.1.1. Appropriate sized operational area should be established to perform the project safely and efficiently.

3.1.2. Location: Open areas are preferable because of increased air movement (aids in dispersion of vapors);

3.1.3. Adequate space to allow access for emergency equipment (Fire trucks, ambulance, etc.).

3.1.4. Smooth traffic flow for entrance/egress of participants;

3.1.5. Adjacent property lines (i.e., homes, businesses) must be a safe distance from the collection area;

3.1.6. The nearest public highway must be a minimum of 25 feet from the collection area;

3.1.7. Car off-loading area at least 35 feet from the pour off or squisher operations;

3.1.8. No ignition sources within 35 feet if flammables/combustibles are being poured/squished; Proximity to a ground source for grounding if flammables/combustibles are being poured and/or paints squished;

3.1.9. No smoking or underground storage tanks within 35 feet of consolidation area;

3.1.10. Proximity to potable water and a telephone;

3.1.11. Proximity of fire hydrants; Location where waste compactor truck (if applicable) can safely dump load in the event of an emergency (e.g. fire);

3.1.12. Storage area for waste flammable/combustible drums and packed flammable/combustible materials at least 35 ft. away from potential fire sources, including waste compactor truck and/or roll-off containing empty containers from pour off or squisher operations.

3.2. Site Preparation

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

3.2.1. Seal all storm drains; exceptions may be authorized by the Project Manager due to inclement weather;

3.2.2. Lay poly in locations where waste will be handled. Include vehicle lanes if required by client. The use of plywood is optional for foot traffic areas. (Plywood may be re-used. Store outside in case of vapor generation. Plywood grossly contaminated or having a strong odor should be discarded properly.);

3.2.3. Work tables will be set up by placing poly-covered plywood on top of 55 gallon drums;

3.2.4. Designate emergency and spill equipment stations. (See Sections 4.3 and 4.4);

3.2.5. Designate decontamination area;

3.2.6. If applicable, restrict access to the collection and waste handling areas with caution tape;

3.2.7. Indoor collection sites should be set up with general room ventilation;

3.2.8. Indoor collection sites with pour-off and/or paint squishing areas will require local ventilation;

3.2.9. Identify location where waste compactor truck (if used) can be dumped in the event of a fire within the truck and dumping becomes necessary (e.g. ordered by Fire Dept.). Location should be selected to minimize likely runoff of water during fire fighting activities, or alternately a location where containment material could easily be deployed by on-site personnel.

3.2.10 Set up HHW Packing Compatibility Posters in readily visible locations

3.3. Site Setup

Five locations will be established to accept, consolidate and pack household hazardous waste: Off-loading; Segregation/packing; Pour-off/squishing; Command center; and Employee break area.

3.3.1. Off-Loading

A. This is the location where household waste is removed from stationary vehicles and placed on segregation tables. Several lanes may be used. Poly should not be placed such that vehicle tires will ride over it, unless requested by the client. The traffic flow must be regulated to avoid overcrowding in the off-loading area. A clear lane must always be left open to allow emergency access in the event of an emergency. Designate the vehicle travel lanes with traffic cones. Residents should be encouraged to stay in their vehicles for their own safety.

B. Certain materials are not acceptable for disposal at a HHW collection. (Refer to Appendix 1 for a list of the specific materials not acceptable at the collection event in question.) Waste should be inspected for unacceptable materials while still in the resident's vehicle and the resident informed of any waste, which cannot be accepted. Reactive materials (peroxidizables, multi-nitrated compounds, etc.) also should be identified at this point and handled per Appendix 5.

C. Tables should be used for placement of waste containers removed from vehicles. Plastic or metal trays may be used to carry containers from vehicles to segregation tables to prevent spilling and contain any leaks. The tray capacity should be sufficient to hold the volume of the largest container being carried. The segregation tables should be covered with poly to protect surfaces. Caution tape should be set up to restrict access to the waste handling areas by residents or other non-CHES personnel.

D. In the event of a leaking or spilled container in a vehicle, notify the Site Supervisor. The spilled material should be identified by labels, markings, or through customer questioning before handling. CHES is not responsible for spill cleanup in vehicles due to leaking containers and, therefore, will not perform any vehicle decontamination, unless a CHES employee has caused the spill. Absorbents (i.e. 3M pads, speedi-dry) and other cleaning supplies should be kept readily available in the unloading area for quick response to spills outside of vehicles.

3.3.2. Segregating/Packing

A. This is the location where HHW is identified and then more specifically categorized for lab packing or pour-off/ squishing.

B. Tables separating off-loading and segregating should be covered with poly and accommodate the following categories:

1. Paints and Paint-Related Products;
2. Solvents/Oils;
3. Aerosols;
4. Pesticides;
5. Batteries;

5. Lab Packs; and,

6. Others

C. **<u>Every loose packed and lab packed container requires a signed packing list.</u>**

D. A CleanPack-trained employee(s) will be located behind the receiving (off-loading) tables to supervise the segregation and placement of materials into packing containers according to the packing specifications. (See Appendix 4.) This employee must sign off on the packing list for each container that they supervise the packing of.

E. Lab pack drums/flex bins will be arranged in the same manner as the receiving tables to minimize movement. Plywood will be used to cover the personnel traffic areas to increase traction and prevent rips in poly.

F. Unidentified containers should be fingerprint tested by a CleanPack Chemist utilizing an unknown's kit in a designated area away from personnel. See the CleanPack Chemist Handbook for procedures. "Unidentified" is defined as an unlabelled container the resident has some knowledge of the identity of the contents. If the resident has no knowledge of the container contents, then the container will be considered an unknown and will not be accepted.

3.3.3. Pour-Off/Squishing

A. This is the location where wastes capable of being consolidated on site are collected and consolidated via a pour-off operation. Also, paints may be consolidated via a hydraulic squisher device. A CleanPack-trained employee will supervise these operations and screen all containers to ensure only acceptable materials are poured/squished. Containers to be poured or squished will be transferred to poly-covered tables adjacent to the operation. Containers will then be opened and poured into a receptacle fitted over a collection drum or placed into the squisher. With the exception of motor oil, any pourable materials not in their original containers will be set aside for pH/oxidizer testing and separate consolidation utilizing compatibility ("bucket") testing.

B. The setup should include the following:

1. Refer to Paint Squisher Work Plan (attached) for set up of and operation of squisher;

2. Compatibility testing will be performed for pourable materials not in their original containers (exception: motor oil). Test buckets will be located in a drip pan;

3. Absorbent will be readily available in the area;

4. Proper bonding and grounding procedures (refer to the CHES Grounding and Bonding Guidelines) will be employed for pouring all flammable and combustible materials.

5. A local exhaust blower will be set up to control/reduce employee exposure to vapors from flammable/combustible materials, if the operation is conducted indoors. The blower also will be properly grounded;

6. Restrict access to the pour area with caution tape;

7. A "Roll-off" or "trash compactor truck" may be located adjacent to the pour-off area for placement of discarded original containers. Refer to the CHES Confined Space Entry Guidelines for their possible applicability; and,

8. All filled flammable/combustible containers must be moved to a storage location at least 35 ft. away from pour-off/consolidation, and compactor truck or roll-off containing empty pour-off/consolidation containers. This is to minimize fire hazard in the event truck/roll-off or pour-off equipment catches fire.

3.3.4. Command Center/Main Emergency Response Station

A table will be set up as command center (CC) for the entire HHW collection. The location of the CC will be determined by the Site Supervisor and should be based on the layout of the other operations. The CC will be the location of first aid equipment and the main emergency response station (see Section 4.3 for specific equipment), as well as all the paperwork processing and other information associated with the HHW collection.

3.3.5. Employee Break Area

An area will be established by the Site Supervisor as an employee break area, where personnel can go to eat, drink, smoke, and rest. The area will be located 50 feet from any waste handling operations. The area should be established in a shaded location when the ambient temperature is above 80^{o}F. Personnel must remove any PPE in the decontamination area before entering the break area and wash before they eat, drink, smoke, etc. Personnel must notify the Site Supervisor upon going to and returning from the break area.

4. EQUIPMENT REQUIREMENTS

- The following is a list of minimum equipment that will be required to set up and conduct HHW site activities. The amount of equipment will vary depending on the anticipated waste volume.

4.1. Site Set Up

4.1.1. 6 mil. or thicker poly sheeting. (Table covers, ground cover, etc.);

4.1.2. Duct tape;

4.1.3. Poly and steel 55-gallon 17H drums, 16-gallon kiln packs, and poly 5-gallon pails;

4.1.4. 85-gallon overpacks;

4.1.5. 1/2-inch plywood (Receiving tables, lay over poly in traffic areas etc.);

4.1.6. Packing materials (vermiculite, etc.);

4.1.7. Parafilm, Poly bags, 2 gallon buckets for damaged containers;

4.1.8. Wind Sock or comparable indicator of wind direction;

4.1.9. Canopy tent for chemical handling areas may be required due to contact or inclement weather;

4.1.10. Site location may warrant caution tape and warning signs to be posted;

4.1.11. Command Center table to locate first aid and other emergency equipment and to display contingency plans, hospital directions, phone numbers, etc.;

4.1.12. "No Smoking" signs;

4.1.13. Traffic cones.

4.1.14 Packing Compatibility Posters

4.2. Pour-Off/Squisher Area

4.2.1. Flexible grounding and bonding cables, including dip rods for bonding bottles/containers being poured;

4.2.2. Iron or steel rod to install as ground source, if existing source not available (Refer to CHES Grounding/Bonding Guides.);

4.2.3. Wire brush, scraper or sand paper;

4.2.4. Continuity tester;

4.2.5. Explosion-proof exhaust blowers required if operations are conducted inside closed facilities or non-ventilated areas. Duct to direct exhaust outside, downwind. Generator or compressor to power blower, if no power on site;

4.2.6. Ground-fault interrupter circuit (GFCI) if generator or other electrical equipment is used;

4.2.7. 2 x 20lb ABC-rated fire extinguisher;

4.2.8. 17H steel 55 gallon drums;

4.2.9. Secondary containment media;

4.2.10. Pour screens or funnels;

4.2.11. Metal 5 gal. pails for compatibility ("bucket") testing;

4.2.12. Absorbent materials (speedi-dry, 3M pads);

4.2.13. Non-sparking (brass) bung wrenches, shovel, and hand tools, when handling flammables;

4.2.14. Opener for paint cans;

4.2.15. Broom and dustpan;

4.2.16. "No smoking" signs;

4.2.17. Caution tape.

4.3. Command Center/Main Emergency Response Station

Safety Information Package: HHW Guidelines, emergency phone numbers, hospital directions and reference sources (Chemical Dictionary, DOT ER Guidebook & NIOSH Pocket Guide, CleanPack H&S Field Manual, Emergency Response Plan blank);

4.3.1. First aid kit;

4.3.2. Eye wash solution;

4.3.3. Hand-held air horn for emergency alarm signal;

4.3.4. Immediate access to telephone communications;

4.3.5. Wind sock (or comparable device) visible to all ops areas;

4.3.6. Combustible gas meter and organics meter required if operations are conducted inside closed facilities or non-ventilated areas.

4.3.7. Poly-Tyvek,

4.3.8. Chemical resistant gloves (i.e. nitrile, PVA, PVC and neoprene gloves);

4.3.9. Chicken boots or rubber overboots;

4.3.10. Duct tape;

4.3.11. 1 x 20 lb ABC-rated;

4.3.12. 1 x 30 lb D-rated fire extinguishers, or 5 gallon pail of dry sand/lime/salt;

4.3.13. Absorbent materials (speedi-dry, 3M pads, etc.);

4.3.14. Acid/base neutralizing materials;

4.3.15. Broom and non-sparking shovel or dust pan.

4.4. Spill Stations

There should be a minimum of two additional spill stations located in the off-loading area.

4.4.1. Absorbent materials. (speedi-dry, 3M pads, etc.)

4.5. Employee Break Area

4.5.1. Hand cleaning supplies, if not available on site;

4.5.2. Towels, if not available on site;

4.5.3. Cooler with water or other non-caffeinated beverage;

5. PERSONAL PROTECTIVE EQUIPMENT

5.1. Site Set-up/Breakdown

Personnel setting up and breaking down the HHW collection site will be dressed in Level D personal protection, which will include:

5.1.1. Work uniform;

5.1.2. Steel-toe shoes;

5.1.3. Safety glasses with sideshields;

5.1.4. Work gloves (if no chemical contamination) or PVC.

5.2. Off-Loading/Segregating/Packing

Personnel off-loading vehicles, segregating, and packing materials will be in modified Level "D" personal protection to include:

5.2.1. Tyvek disposable white coveralls or CPFI apron w/sleeves;

5.2.2. Steel toe shoes;

5.2.3. Puncture resistant gloves with nitrile inners;

5.2.4. Safety glasses w/sideshields or chemical splash goggles;

5.2.5. An increased level of respiratory protection and PPE may be warranted in specific situations. Leaking containers, spills or other instances where potential exposure may occur may require upgrading with the guidance of the Site Supervisor.

5.3. Pour-Off/Squisher Operations

Because of the handling of open containers, pour-off personnel shall don Level C personal protection. Minimum PPE for pour-off operations includes:

5.3.1. Full-face air purifying respirator with GMC-H or GME-H cartridges (Not required for personnel solely opening containers outside pour-off/squisher area or for personnel loading closed containers into squisher). Face shield w/safety glasses when respirator not used;

5.3.2. Poly-Tyvek suit or CPFI apron with sleeves;

5.3.3. Nitrile gloves - inner;

5.3.4. PVC or Nitrile - outer

5.3.5. Chicken boots or rubber overboots;

5.3.6. Steel toe shoes;

5.3.7. Hard hat for paint squisher loading.

In addition, all the gloves will be securely taped to further reduce the possibility of skin contact. Outer boots also will be taped in cases where a full suit is used.

6. CONTINGENCY PLAN

6.1. Introduction

6.1.1. To prepare for potential releases, spills or emergencies, a contingency plan must be developed. Prior to the HHW collection, the Site Supervisor or other CHES representative should visit the site to gather site-specific information, which will be included in Appendix 2. A traffic flow plan must be established that will allow emergency equipment (Fire Department, ambulance, etc.) access to the site in the event of an emergency. The proposed layout of the site in relation to neighboring structures and properties must also be identified. Location of fire hydrants, or lack thereof, must be identified. The fire department should be prepared in the event the site has no readily available hydrants.

6.1.2. Remember to keep access lanes to the site clear at all times. In the event of an emergency, Responders need to have direct access to the site. Traffic lanes should be prearranged so there is an open path at all times.

6.1.3. The Site Supervisor will serve as the Emergency Coordinator in the event of an emergency situation.

6.2. Emergency Information

Emergency information will be located at the Command Center table. The information will be placed on the table with the job folder. Information to be present should include a copy of the HHW Collection Guidelines containing the site specific information (contingency plan, emergency phone numbers, hospital directions, etc.) and safety references (Chemical Dictionary, DOT ER Guidebook, NIOSH Pocket Guide and any other emergency and safety contact information as specified in Appendix 2). The following services shall be included on the emergency phone list: Fire department, ambulance, hospital, poison information center, police department, state police, local CHES service center, and local CHES H&S Rep.

6.3. Emergency Actions

6.3.1. Spill or Chemical Release

In the event of a spill or release, the Site Supervisor will evaluate the situation and evacuate the site if necessary. A continuous blast of an air horn will signal the evacuation of the site. The Site Supervisor, with the assistance of the local H&S Representative, will decide how to respond to contain and clean up the spill/release. Ensure that wind direction is noted in determining evacuation assembly areas: locate upwind.

6.3.2. Flammable Conditions

Flammable conditions are not anticipated during this project. Pour-off operations will be conducted in well-ventilated areas. In the event that ventilation decreases and accumulation of flammable vapors occurs, the following actions will be taken:

A. Cease all pour-off operations and evacuate the pour area.

B. Eliminate all ignition sources. No Smoking.

C. Stop the flow of cars into the area and have all cars in the unloading area exit immediately.

D. If vapors do not dissipate in a short period of time (five minutes), notify the local official on site and the Fire Department. Contact the local CHES H&S Rep for assistance on how to proceed.

E. Operations will not resume until the atmospheres is safe and the LEL is below acceptable limits.

6.3.3. Fire

In the event of a fire, an appropriate fire extinguisher may be used to fight a fire if it is in the incipient stage. The following additional actions should be taken:

A. Cease all operations and evacuate the area of all unnecessary personnel. Ensure that wind direction is noted in determining evacuation assembly areas: locate upwind;

B. Eliminate all ignition sources;

C. Stop the flow of cars into the area and have all cars in the unloading area exit immediately;

D. Notify the local official on site, the Fire Department and the local CHES H&S Rep.

6.3.4. Reaction

In the event of a reaction during pouring, the following actions should be taken:

A. Cease the pour-off operations and evacuate the area. Ensure that wind direction is noted in determining evacuation assembly areas - locate upwind;

B. Notify the Site Supervisor and the local CHES H&S Rep immediately;

C. The Site Supervisor will evaluate the situation, evacuate the site if necessary, and decide on any further action.

6.3.5. Employee Injury or Exposure

A. If an employee becomes injured or ill (i.e., heat-related illness), provide first aid and seek medical attention, if necessary. Notify the Site Supervisor and the local CHES H&S Representative immediately. If there is an injury involving blood, be sure to follow the CHES Bloodborne Pathogens Exposure Control Plan.

B. If an employee experiences signs or symptoms of exposure to a chemical or physical hazard, remove the employee from the exposure situation. Decontaminate the victim, if necessary. Administer first aid and seek medical attention, if necessary. Notify the Site Supervisor and the local CHES H&S Rep immediately.

6.3.6. Evacuation

A. In the event an evacuation of the work areas is deemed necessary by the Site Supervisor (also acts as the Emergency Coordinator), he/she will sound the air horn to signal the evacuation (signified by one long blast). All personnel will immediately cease working and evacuate to the assembly area designated in the site-specific information (See Appendix 2). Employees in the unloading area will stop the flow of cars into the area and have all cars already in the area exit immediately. The Site Supervisor will take a headcount in the assembly area to

account for all personnel. Ensure that wind direction is noted in determining evacuation assembly areas: locate upwind.

B. Once the evacuation is complete, local law enforcement and on-site town officials will take over the security of the site and limit access. After it has been determined that the site is safe by town officials and the Site Supervisor, the "all clear" signal will be sounded with the air horn (signified by three short blasts).

7. AIR MONITORING

7.1. Employee Exposure

Air monitoring for employee exposures may be necessary. This will be determined by Health & Safety on a case-by-case basis. This may include, but is not limited to, monitoring with detector tubes, combustible gas meter, organics meter, or personal sampling.

7.2. Recording of Results

When specified, the Site Supervisor will be responsible for ensuring adequate air monitoring is conducted and the results recorded properly: direct reading instrument results shall be recorded on a CHES Health & Safety Atmospheric Monitoring Log and personal sampling data on a CHES Air Sampling Worksheet.

8. SITE SPECIFIC INFORMATION

- Site-specific information will be gathered prior to the start of the collection and reviewed by the Site Supervisor with the crew during the site safety meeting. Refer to the Site Specific Information Form in Appendix 2 for details on the HHW collection in question.

9. OPERATIONAL GUIDELINES

- At a minimum, the following steps must be followed during collection operations. It is the Site Supervisor's responsibility to ensure that all employees understand and follow the appropriate guidelines.

9.1. Off-Loading

9.1.1. When a vehicle enters the off-loading area, the resident will be instructed to remain in their vehicle. A CHES employee will then unload the vehicle. Carrying trays or carts may be used to transport the waste containers from the vehicles to the segregating tables.

9.1.2. Waste should be inspected for unacceptable materials while it is still in the resident's vehicle. Unacceptable waste, per Appendix 1, shall not be accepted. High hazard materials (peroxidizables, multi-nitrated compounds, etc.) will be handled per Appendix 5. ENSURE THAT THE PROCEDURES DISCUSSED IN APPENDIX 5 ARE REVIEWED WITH CLIENT PRIOR TO THE COLLECTION. If a large volume of waste is in closed bags or boxes, they may be brought to the segregation tables for unpacking. The resident should not be allowed to leave until the waste has been screened.

9.1.3. In the event of a leaking or spilled container in a vehicle, the material should be identified by labels, markings, or through customer questioning before handling and then overpacked appropriately. The vehicle owner is responsible for decontaminating the vehicle. Only if a CHES employee is responsible for the

spilled material in the vehicle should CHES perform any decontamination. Notify the Site Supervisor in either case. After a CHES decon has been completed, the Site Supervisor should inspect the car.

9.1.4. All containers should be checked for labels and the driver asked to confirm the contents. If there is no label and the driver can identify the container's contents, it must be written on the container.

9.1.5. In the event an unidentified container is received; it should be fingerprint-tested by a CleanPack Chemist utilizing a fingerprinting kit in a designated area away from personnel. See the CleanPack Chemist Handbook for procedures. Fingerprinted containers must be lab packed for incineration, not poured off. "Unidentified" is defined as an unlabelled container the resident has some knowledge of the identity of the contents. If the resident has no knowledge of the container contents, then the container will be considered an unknown and not be accepted.

A. The Site Supervisor should be available to make decisions on what materials are acceptable for collection. Also, refer to Appendix 1 for a list of unacceptable materials.

B. Immediately overpack any leaking containers according to the CleanPack Packing Guidelines.

C. If a spill occurs, all operations should stop until the situation is under control and the spill is cleaned up. (See Section 6.2.1, Contingency Plan).

D. Containers should not be opened in vehicles for any reason.

E. When placing collected waste on segregation tables, check to make sure each piece is in the correct category. Any questions on the appropriate category should be directed to the CleanPack Chemist or the Site Supervisor.

9.2. Segregating

9.2.1. Personnel segregating and packing wastes should be CleanPack trained or under the direct supervision of personnel who have completed said training.

9.2.2. Ensure drums are labeled, segregated, and staged properly. Drums should be arranged in the same manner as the receiving tables to reduce movement and handling.

9.2.3. Ensure containers are packed according to the packing specifications given in Appendix 4.

9.2.4. Immediately overpack leaking containers according to the CleanPack Packing Guidelines.

9.2.5. If a spill occurs, all operations should stop until the situation is under control and the spill is cleaned up (See Section 6.2.1, Contingency Plan).

9.3. Pour-Off/Squishing

9.3.1 Personnel pouring/squishing will be supervised by an employee who has completed CleanPack Training. They will oversee this operation and screen all containers to ensure only acceptable materials are poured or squished.

9.3.2. It is recommended that the pour-off/paint squishing area be located 35 ft. from the car unloading area, potential ignition sources, and the nearest public way; and recommend 50 feet from adjacent property lines if the site allows for that.

9.3.3. Set up the paint squishing operations according to the Paint Squisher Work Plan. (See Appendix 8, attached.)

9.3.4. Establish one collection drum for each waste stream being consolidated as indicated in the packing specifications in Appendix 4. Ensure secondary containment is in place.

9.3.5. If the pour-off or paint squishing operations are conducted indoors, set up the blower to remove vapors. Direct the discharge duct to the outside at least 5 ft. above ground and downwind, away from personnel and ignition sources.

9.3.6. Assure bonding and grounding wires are attached to a clean, non-corroded, non-painted metal surface on the collection drums and/or the squisher. Use wire brush or other device to remove rust or paint from drums to attach grounding wires. Also ground the blower, if utilized, and the bucket for compatibility testing. Refer to the CHES Grounding and Bonding Guidelines.

9.3.7. Establish a ground source. Examples of ground sources, which may exist on site, include fire hydrants, utility pole grounds, electrical system grounds, and cold water pipes. If no existing ground source is present, establish a ground by sinking a ground rod 3 ft. below surface or by submerging a ground rod at least 1 ft. under water in any natural body of water (i.e., stream, pond, etc.). Wet the ground around the rod if it is dry. Check bonding continuity with test device to ensure the resistance of the connections is low (<20 ohms) or shows as being acceptable on test device.

9.3.8. Prior to opening or consolidating any materials, don PPE.

9.3.9. With the exception of motor oil, any pourable materials not in their original containers will be set aside for pH/oxidizer testing and separate consolidation utilizing compatibility ("bucket") testing. Monitor for any possible reaction between materials (smoking, fuming, spattering, heat generation, etc.). If a material reacts, do not pour it. Lab pack the container for incineration and start a new bucket test.

9.3.10. After solvent containers are opened, insert bonding wire/rod and bond to the collection drum, then begin pour off.

9.3.11. If direct-reading instrumentation or personal air monitoring is specified by Health & Safety, monitor the area while pour off/squishing operations are conducted. Document readings.

9.3.12. As soon as a drum is full, it should be closed and labeled before another drum is started. Full drums should be moved to the designated storage area.

9.3.13. Keep ample absorbents (speedy dry, 3M pads) in area and clean up all spills immediately.

9.3.14. Chemists and pour-off personnel should ensure that non-pour off containers (e.g. empty cans or containers brought in by homeowners) are not thrown into the compactor truck or roll-off if there is any possibility they may contain residual chemicals, (e.g., oxidizers) which could react with flammables/combustible material, or cause other reaction. Any containers with any residual material will be lab packed.

9.4. Packing/Shipment

9.4.1. Pre-transportation and transportation requirements will be adhered to for packing and shipping all waste containers generated at the HHW collection.

9.4.2. All lab pack containers shall be packaged with appropriate absorbent material per standard lab pack procedures.

9.4.3. Reference packing specifications in Appendix 4 for specific requirements of waste stream packaging for the contract.

9.4.4. All drums generated from the pour off and paint squishing operations shall be checked to ensure container integrity and no exterior contamination.

9.4.5. All containers shall be checked to ensure proper DOT labeling and other appropriate waste stream information is communicated properly.

9.4.6 All waste must be packaged and labeled in accordance with the applicable special permit where required.

9.4.7. A drum count will be taken to ensure accuracy before shipment. (Use of a standard count sheet to reflect piece size and quantity is recommended.)

9.4.8 The Site Supervisor (or the designated person responsible for the generation of appropriate manifests, shipping documents, and other associated documentation) will review all shipping documents with the driver(s) before departure to ensure the completion of all forms as required including packing lists signed by packing supervisors verifying proper packaging. This person will also ensure with driver(s) that appropriate vehicle placarding is in place and load is secure.

9.4.9 If requested, the Site Supervisor will phone destination plant to communicate the size of the inbound shipment.

9.5. Listed DEA Controlled Substances will NOT be accepted at HHW events.

9.5.1 Controlled substances are defined by the Controlled Substances Act of 1970, as "a drug or other substance, or immediate precursor, included in Schedules I - V of part B of this title." (See 21 CFR 1308.11 through 1308.15). See Appendix 10 for detailed list of Schedule I – V DEA Controlled Substances.

9.5.2 Criteria for Schedules are as follows:

Schedule I
Criteria for listing:

- High potential for abuse
- No currently accepted medical use in treatment in the U.S.
- Lack of accepted safe practices for use under medical supervision

<u>Schedule II</u>
Criteria for listing:

- High potential for abuse
- Currently accepted for medical use in treatment in the U.S. with severe restrictions
- Abuse may lead to severe psychological or physical dependence

Schedule III
Criteria for listing:

- Moderate potential for abuse (less than Schedule I or II)
- Currently accepted for medical use in treatment in the U.S.
- Abuse may lead to moderate to low physical or high psychological dependence

Schedule IV
Criteria for listing:

- Low potential for abuse (less than Schedule III)
- Currently accepted for medical use in treatment in the U.S.
- Abuse may lead to limited physical or psychological dependence (less than Schedule III)

Schedule V
Criteria for listing:

- Low potential for abuse (less than Schedule IV)
- Currently accepted for medical use in treatment in the U.S.
- Abuse may lead to limited physical or psychological dependence (less than Schedule IV)

9.5.3. In the event a DEA Regulated Substance is discovered when unpacking offloaded material, the HHW Project Manager/Supervisor is to be immediately notified. The HHW Project Manager/Supervisor will then work with the on site customer contact to immediately surrender this material to law enforcement authorities.

9.6 Segregation

9.6.1 All trucks must be loaded in accordance with 49 CFR 177.848.

9.6.2 Exceptions to this table are only allowed if materials are packaged in accordance with 49 CFR 173.12 as it relates to acids, cyanides, and 4.2 materials or if a DOT special permit is utilized.

9.6.3 Whenever a DOT special permit is utilized, the SP number must be identified on the manifest and a copy carried aboard each vehicle. In addition, all terms and conditions of the special permit must be followed.

9.7. Each vehicle must be loaded and secured to ensure that:

- The floor and walls of the trailer are inspected to ensure there are no sharp objects that coud puncture/damage a package.
- Each pallet that is used in free of protruding nails/screws, is sized for the container(s) being placed on it (i.e. a flex bin, 4 drums, etc.) and there are no broken or damaged components.
- Under normal transportation conditions (this includes hard braking, turns, uneven road surface, evasive manuvers, etc.) the containers will be secured to prevent movement in any direction – this includes double stacked loads. This includes both forward and rearward movement and side to side. Particular attention must be placed on the types and size containers loaded. For example, a poly drum between steel presents a crush and rupture hazard. Smaller containers placed either in front of or behind larger containers will need load locks on both sides to prevent tipping (even light tipping) as a vehicle accelerates or decelerates. This action can cause damage to drums when they return to the upright position.

- Particular care must be taken to ensure both axle and gross weight restrictions are not exceeded.
- There may be no loose or unsecured loading in any vehicle (e.g. propane cylinders, E-wastes, etc.

9.8. Double Stacking may only be employed as outlined in the transportation manual

When double stacking containers within a transport vehicle, the following requirements must be followed:

1. Only vehicles that are equipped with secondary containment may be used for shipments containing double stacked containers;

2. Containers may not be stacked more than 2 high;

3. Liquids (other than labpacks) may not be stacked on top of other containers;

4. U.S. Department of Transportation segregation requirements found in 49 CFR 177.848 must be followed. Under no circumstances may Class 8 material be loaded next to, adjacent to or above Class 4 or 5 materials;

5. Class and Divisions 2.1, 2.2, 2.3 (except for aerosols packaged in accordance with the limited quantity exemption found in 49 CFR 173.306) 4.2, 4.3, 5.2, 6.1 (poisonous by inhalation materials) and PCB's are prohibited from being double stacked;

6. All containers must be adequately blocked and braced to prevent any movement between containers;

7. Vehicle weight limits (both gross vehicle weight and axle weights) must be within regulatory limits;

8. All shipments must be accompanied by a completed load preparation checklist;

9. No container may be double stacked which will crush or damage the container it is loaded above (i.e. Flex bins and Cubic yard sacks).

10. Flex bins may be double stacked on 4/55 gallon steel drums.

10. MISCELLANEOUS

10.1. Additional Information

10.1.1. Refer to the following CHES Health & Safety Programs/Guidelines for additional guidance and information.

A. Paint Squisher Work Plan

B. Heat/Cold Stress

C. Drum Handling

D. Decontamination

E. Grounding and Bonding Guidelines

F. Physical Hazard Control Checklists

G. Asbestos Handling

H. Respiratory Protection

I. Personal Protective Equipment (PPE)

J. Blood borne Pathogen Exposure Control Plan for First Aid Responders

K. Confined Space Entry Guidelines

10.2 Media Relations

10.2.1 If there is potential for media coverage of the event, contact Public Relations at Corporate in advance for assistance. The following should be utilized in addition to guidance from Corporate:

- Only the Site Supervisor should interact with the press.
- Stick to simple, straight answers.
- No statements on the company's behalf unrelated to HHW events. (Do not discuss pricing or costs).
- Press may contact Corporate Office for any other company related questions.
- Photographs of the event are allowed - No unauthorized people should be in the work area (behind tables, pour-off area, paint-squisher area).

10.3 Bulk Containers from Households (Drums)

10.3.1 CHES facilities require a profile to receive materials that exceed Lab Pack quantities. We may not accept any bulk wastes during collection events unless the drum matches a CHES profiled waste for the HHW. If the drum cannot be taken, instruct the customer to contact CHES directly for disposal information. Write the license plate number of the vehicle on the drum before customer leaves with it to allow identification in case of illegal disposal..

10.3.2 Drums must be inspected to ensure they are DOT shippable, i.e. no residual material on external surfaces, all original closures in place, DOT rated containers, etc.

10.3.3 Salvage drums must be kept on-site. In the event that the use of a salvage drum is required it must be prepared, marked, and labeled appropriately. See DOT Manual for guidance.

10.4 Billing the Collection

10.4.1 Pricing Issues

- Know the contract amount and pricing before collection begins and keep track of it. If you don't have contract pricing information ask your RCC before the collection begins
- Attempt to discuss all pricing issues with the Municipal representative.
- We must get a signed **Change Order Form** if we are going to exceed the contract price for the collection event!
- Authorized representatives of the municipality must approve exceeding the contract amount and must sign off on the Change Order

10.4.2 Job Sheet

- The customer must sign the Job Sheets!
- In the event of multiple job sheets, list all disposal on first job sheet
- Capture all personnel (including subs), equipment, supplies used, regardless of what items we are billing for. Use multiple job sheets if necessary
- All Clean Harbors Employees must appear on the job sheet to get paid.

APPENDIX 1: Unacceptable Materials List for HHW Collections

NOTE: The Unacceptable Materials procedures must be reviewed with the client contact prior to the initiation of the HHW to ensure client is well aware of protocol to be followed.

CHES can handle the majority of waste generated in households; however, some waste materials are not acceptable. CHES reserves the right to decline to accept for disposal material which it can not dispose of in a lawful manner or without risk of harm to public health or the environment. When off-loading personnel encounter a material that is unacceptable for collection at HHW events, the site supervisor should be notified immediately. The site supervisor should notify the HHW sponsor and have them make the decision to reject.

Common unacceptable materials may include:

- Biological/Infectious Waste (i.e. sharps)
- Radioactive Materials
- Unknowns
- Tires
- Appliances
- Non-Propane Cylinders
- Fire extinguishers
- Smoke Detectors
- Fireworks/Explosives/Ammunition
- Reactive Materials Requiring Stabilization
- DEA Regulated Substances
- Any Item Restricted from the Receiving CHES Facility
- Any item prohibited from transportation per DOT and CHES

As well as the below listed items specific to _____HHW Collection _____ (date)

At _____ (Location)

_____

_____

_____

_____

_____

_____

_____

_____

_____

APPENDIX 2: Site-Specific Information for HHW Collections (or equivalent form)

(Page 1 of 3)

SITE NAME: _____

SITE LOCATION: _____

_____

_____

_____

COLLECTION DATE: _____

SITE SUPERVISOR: _____

SETTING: _____ OUTDOOR _____ INDOOR

SURROUNDING AREA:

_____ URBAN _____ RURAL _____ RESIDENTIAL _____ INDUSTRIAL
_____ OTHER (Specify) _____

BODIES OF WATER NEIGHBORING SITE:

_____ STREAM _____ RIVER _____ POND _____ LAKE _____ BAY _____ OCEAN
_____ OTHER (Specify) _____

PROPERTIES/OPERATIONS ABUTTING THE SITE & CURRENT USE:
(NOTE: SPECIFY APPROXIMATE DISTANCES TO WORK AREAS)

North: _____

_____

South: _____

_____

East: _____

_____

West: _____

_____

CLIENT SITE OPERATIONS:

_____

LOCATION OF GROUND FOR SOLVENT POUR OR SQUISHER OPERATION:

_____

LOCATION OF EVACUATION ASSEMBLY AREA:

_____

LOCATION OF EMPLOYEE BREAK AREA:

_____

Appendix 2: Site-Specific Information for HHW Collections (or equivalent form) – Page 2 of 3.

KEY PERSONNEL AND EMERGENCY NUMBERS:

Fire Department	( ) -
Ambulance Service	( ) -
Police Department	( ) -
State Police	( ) -
Chemtrec	(800) 424-9300
Poison Information Center	( ) -

Nearest Hospital:

NAME _____

ADDRESS _____

_____

PHONE ( ) -

Directions to Hospital from Site:

_____

_____

Clean Harbors Contacts:

Regional CleanPack Coordinator

NAME _____

BRANCH/DIV _____

PHONE ( ) - (Home)

( ) - (Pager)

Local Health and Safety Representative:

NAME _____

BRANCH/DIV _____

PHONE ( ) - (Home)

( ) - (Pager)

Technical Services Health & Safety:

Ben McWhorter (South)	770-206-0028 (Cell)
Sean Stanton (NE)	781-853-9105 (Cell)
Michael Feege (Midwest)	773-617-2786 (Cell)
Mark Rasmussen (West)	408-592-3929 (Cell)
Jackie Fones (Director)	423-280-7946 (Cell)

CleanPack Regional Vice Presidents:

	Office	Cell
Alec MacArthur	(781) 792-5474	(781) 603-6513
John Stevens	(513) 681-6242	(513) 615-6094
Robert Harrison	(310) 835-9998	(206) 200-8548
Gwen Hill	(336) 361-6131	(339) 788-1037
Bill Hallam	(281) 727-7154	(713) 870-7155

Corporate VP Government Relations & Public Affairs:

NAME	Bill Geary	
BRANCH/DIV	Norwell/Corporate	
PHONE	(617) 755-2321	(Cell)
	(781) 792-5130	(Office)

Appendix 2: Site-Specific Information for HHW Collections (or equivalent form) –Page 3 of 3.

Client Contact:

NAME	_____
TITLE	_____
COMPANY	_____
PHONE	( ) -

Regulatory Agency Contacts:

Federal Contact:

NAME	National Emergency Response Center
PHONE	(800) 424-9300

State Contact:

NAME	_____
TITLE	_____
AGENCY	_____
PHONE	_____

APPENDIX 3: Site Safety Meeting Checklist & Acknowledgement for HHW Collection

The CHES Site Supervisor will discuss the information listed below with the work crew and other on-site personnel in a site safety meeting.

_____ 1. SITE LAYOUT/WORK ZONES: Identify Off-loading, Segregation, Pour/Squish, Command Center, Decon & Break Areas.

_____ 2. CHAIN OF COMMAND (Same Person Can Serve More Than One Function)

_____ Site Supervisor _____

_____ Off-loading Supervisor _____

_____ Lab Pack Supervisor _____

_____ Segregation Supervisor _____

_____ Pour-Off/Squisher Supervisor _____

_____ H&S Representative _____

_____ 3. ROLE/ASSIGNMENT OF EACH WORKER

_____ Confirm all personnel have completed HHW Orientation Training

_____ 4. EQUIPMENT LOCATIONS: Supplies, First Aid, Fire Extinguishers, Spill Clean-up, Communications, PPE, Basic PPE.

_____ 5. PPE REQUIREMENTS - **NO PPE IS ALLOWED OR TO BE WORN IN BREAK AREAS**

_____ Site Set Up/Breakdown: Work clothes/safety shoes/safety glasses/gloves.

_____ Off Loading: Add disposable suit or apron/chemical gloves.

_____ Segregating/Packing: Add disposable suit or apron/chemical gloves.

_____ Pour off/Squisher: Add Poly-Tyvek suit or CPF1 apron/full-face respirator w/ combo cartridges, inner (latex)/ green nitrile or PVC -outer gloves/Chix boots.

_____ 6. PHYSICAL/SITE HAZARDS

_____ Vehicular Traffic

_____ Slips/Trips/Falls

_____ Sunburn (if applicable)

_____ Heat Stress/Cold Stress (if applicable)

_____ Material Handling/Lifting

_____ Hand Tools

_____ Flammables Handling - fire/explosion--> ignition sources, bonding & grounding

_____ Electrical Equipment (if applicable, e.g. squisher, lighting)

_____ Hydraulic Equipment (if applicable, e.g. squisher)

_____ 7. CHEMICAL HAZARDS

_____ Flammables: gasoline, auto products, paints & paint-related mat'ls, aerosols

_____ Oxidizers: bleach, pool chemicals, disinfectants

_____ Corrosives: cleaners, disinfectants, batteries, photo chemicals

_____ Irritants: cleaners, photo chemicals

_____ Reactives: home or school lab chemicals

_____ Toxic: pesticides, paints & paint-related products, cleaners, disinfectants, auto products, pool & photo chemicals, batteries

_____ 8. BIOLOGICAL HAZARDS (If Applicable)

_____ Insect Bites

_____ Snake Bites

_____ Poison Plants, e.g. Poison Ivy

Appendix 3: Site Safety Meeting Checklist & Acknowledgement for HHW Collection – Page 2 of 3.

_____ 9. SAFE WORK PRACTICES BY AREA:
- _____ All Worker's Are To Instruct Customer's To Remain In Their Vehicles
- _____ Off-Loading (DO NOT OFF-LOAD CARS UNTIL CUSTOMER'S ARE IN THEIR VEHICLES)
- _____ Materials Examine all items before the customer is allowed to leave.
- _____ Collection-Specific Unacceptable Wastes/Explanation of What to do When Unacceptable Material is Presented
- _____ Unlabeled Material Identification
- _____ Do Not Open Containers
- _____ Check Container Condition to Avoid Leakers/Spills
- _____ If Leaker/Spill, Notify Site Supervisor IMMEDIATELY

_____ 10. SEGREGATING/PACKING
- _____ Flex Bin/Roll-off Packing Guidelines
- _____ Generic Packing Guidelines, appoint supervisors to sign off
- _____ Complete Necessary Packing Lists, appoint supervisors to sign off
- _____ Drums: Verm, Gaskets, Markings
- _____ Flex Bins: Lined, Verm, Secured to Pallet, Inner Containers Sealed/Upright, Markings

_____ 11. POUR-OFF/SQUISHER
- _____ Acceptable/Unacceptable Pour-off or Squisher Materials
- _____ Oxidizer/pH/Bucket Test Mat'ls Not in Original Containers (Exception: Motor Oil)
- _____ Restrict Access w/ Caution Tape
- _____ Spill Containment
- _____ Bonding/Grounding/Bare Metal Contact on Drums/Continuity Test
- _____ Cover Outside Drums
- _____ Exhaust Blower if Indoors
- _____ Squisher Safety Devices
- _____ Squisher Jams
- _____ Prevention of disposal of non-pour off empties into pour off trash

_____ 12. DEA REGULATED SUBSTANCES
- _____ Contact HHW Project Manager / Supervisor upon receipt of any DEA Regulated Substances.
- _____ Do not package any DEA Regulated Substances into any Clean Harbors containers for disposal.
- _____ HHW Project Manager / Supervisor will immediately notify Customer contact to turn over material and ensure material is surrendered over to law enforcement authorities.

_____ 13. CONTINGENCY PLANS, Including:
- _____ Location of emergency info
- _____ Emergency actions
- _____ Evacuation/all clear signals
- _____ Location of evacuation assembly area
- _____ Receipt of high hazard, peroxidizable, reactive chemicals
- _____ High hazard, peroxidizable, reactives procedures reviewed with client

14. POWERED INDUSTRIAL VEHICLE OPERATIONS:
- _____ Only trained and authorized CHES personnel shall operate powered industrial vehicles
- _____ Pre-Operational Inspections must be completed and documented
- _____ Seat belt use is required and Drive slowly

Appendix 3: Site Safety Meeting Checklist & Acknowledgement for HHW Collection – Page 3 of 3.

Day/Date: _____
Sales Order #: _____
Customer: _____
Site Address: _____
_____

Clean Harbors HHW PROGRAM/Labor Sheet (Hourly/Salary)
EVENT HEALTH & SAFETY/PAYROLL SIGN-IN SHEET

PRE-EVENT HEALTH & SAFETY TRAINING:
HHW temporary collection event general operations plan including: Area Control/Site Security; Health & Safety Plan (General & Site Specific); Hazard Communication/Prop 65 Notification; Emergency Equipment/Spill Control Decon Procedures/Medical Emergencies/Disaster; Preparedness; Traffic Safety; Applicable Laws & Regulation; Preparedness; Unacceptable Wastes; and Customer Relations.
Your signature below constitutes acknowledgment that you have received the initial training required for your assigned positions in accordance with 40 CFR 265.16 and that you understand and have had all of your questions answered satisfactorily with regard to content and ramifications of the pre-event Health & Safety Meeting.
In addition, I understand that it is my responsibility not to package any DEA Regulated Substances into any containers Clean Harbors will manage for processing and/or disposition. I understand that I am to immediately turn over any and all DEA Regulated Substances to the HHW Project Manager / Supervisor on site. The HHW Project Manager / Supervisor on site will then work with the customer contact on site to immediately surrender this material to law enforcement authorities.

NAME (Print)	Signature	Emp ID #	Salary (S) / Hourly (H)	Arrived	Departed	On-Site	Travel	Total

Site Manager _____ Date _____

APPENDIX 4: Packing Specifications for HHW Collections

All packing should follow the standard Lab Packing Field Packing Procedures (most current CHESI CleanPack Guidelines).

Additionally, please note the following items:

- **Every loose packed and lab packed container requires a signed packing list.**
- Only 40hr OSHA trained employees are allowed behind the segregation table.
- **Lab pack conducted by CP chemists only! Generic pack supervised by CP trained employees.**
- Inspect the integrity of all containers. Leaking containers must be over-packed or poured off. Leaking bulk drums must be packed into an authorized salvage drum.
- All containers must be packaged with closures in the upright position.
- Pool chemical tablets and powders must ship separately as LCCRO – not acceptable as LATO or with other oxidizers.
- Aerosols – pack in 55 gallon metal make sure to apply DOT exemption.
- Asbestos – Must be double bagged and wetted by homeowner prior to collection.
- Batteries – lithium, NiCd, Hg, Pb acid must be packed separately. Standard packing protocol must be followed for each battery type. Only employees certified in CHES Battery Packing Protocol may pack batteries.
- Drums – must have gaskets where required and must have all of the required markings.
- Double check the integrity of any bulk drums that are dropped off. Leaking drums and containers must be over-packed.
- Flex Bins – must be secured to pallets, level and securely closed, lined, properly marked and labeled. Proper layering of absorbent with contents arranged upright and in full compliance with the profile and packaging specifications. Ensure packing list is attached to side of flex bin.
- Paint related material – must be packed in accordance with specifications per 49 CFR.
    - Only class 3 paint related products are to be packed in paint bins and drums.
    - Paint is defined as paint, lacquer, enamel, stain, shellac, varnish, liquid aluminum, liquid bronze, liquid gold, liquid wood filler, and liquid lacquer base.
    - Inner containers may be metal or plastic and may not exceed 5 gallon capacity each. Glass containers are not authorized.
    - Inner containers must have closure devices that are in place and functional. Leaking and/or damaged container may not be placed in this container;
    - All inner containers must be placed in an upright position and must be packed in such a way that movement between containers is prevented.
    - The package used must be "liquid tight" through design or through the use of a plastic liner. Any packages that are damaged and/or defective may not be used.
    - Container must be marked and labeled per the requirements of DOT-SP-11624.
- Rolloffs may be used to ship paint materials using DOT exemption.
- Standard packing lists required for propane cylinders, reactives, dioxin formers, and incineration pieces that don't fall under generics.
- Propane cylinders must be leak tested, valves must be closed, and evaluation sheets **are** required.
- Medium sized propane cylinders (e.g.: Grill size tanks) shall be packaged in open topped cubic yard boxes. Layers within the cubic yard box shall be separated by a cardboard divider. Each cylinder must be individually marked and labeled. These larger size cylinders are ***not*** permitted to ship on a pallet secured with shrink-wrap; i.e., a cubic yard box is required every time.

APPENDIX 5: Peroxidizables/Other Reactive Materials at HHW Collections

NOTE: These procedures must be reviewed with the client contact prior to the initiation of the HHW to ensure client is well aware of protocol to be followed.

We occasionally see ether cans or other reactive materials (other peroxidizables, multi-nitrated compounds, etc.) at HHW collections being brought in by residents for disposal. The lab pack chemist must make a visual inspection of the container and complete the appropriate evaluation. Consultation with the owner on whether the container has been opened, where it has been stored, how old it is, etc. will be very important for completing the evaluation.

In the event that Clean Harbors (CHESI) identifies a material suspected to be "unstable", "shock sensitive", "explosive", or "detonable", CHESI will inform the sponsor of the collection event and the homeowner of the potentially dangerous characteristics of the material in non-technical, easy to understand terms. CHESI or the event sponsor will then call the State Fire Marshal Offices (or equivalent agency in the state that you are operating in) Emergency Number and explain the situation to the State Bomb Squad (or equivalent agency in the state that you are operating in). CHESI or the event sponsor will also contact the local Fire Department. CHESI project manager should also notify local Health and Safety Representative.

Assuming the reactive material is still in the homeowner's vehicle; CHESI should ask the homeowner to remain on site while a solution is developed. CHESI cannot detain a homeowner at the collection event. If the homeowner decides to leave the event, and the reactive material is still in their vehicle, CHESI will allow the person to leave. CHESI will, however, record the name of the homeowner and the license plate number, vehicle color, make and model of the vehicle. This information will be provided to the State Bomb Squad (or equivalent agency…).

In the event the homeowner remains on-site, CHESI will take steps to isolate the homeowner's vehicle by maintaining a buffer zone around the vehicle. CHESI will not take any further action until the State Bomb Squad (or equivalent agency...) arrives. Prior to the arrival of the Bomb Squad, CHESI will determine the location of the nearest landfill in the City or Town sponsoring the event, and will provide this information to the Bomb Squad upon their arrival at the event.

In the event that the bomb squad or similar state agency is unwilling to get involved, the following information can be conveyed to our client in order to service them safely and properly:

We can attempt to arrange to have a Reactive Chemical Technician on site within 24 hours to remotely open and test the container for peroxides. If the container is negative for peroxides, we can package it and ship it. If it comes up positive for peroxides, it will need to be placed aside in storage until the need for an emergency treatment permit can be determined and pursued, if needed. The handling of other reactive materials may likewise require a treatment permit. This likewise will be determined on a case-by-case basis.

The expense of this specialized service is not covered in the standard HHW contract price and will need to be agreed to by the Client Contact before arrangements are made to mobilize the Clean Harbors Reactive Materials Team. Please notify your RCC, TSGM, or John Kelsey, to arrange for the Clean Harbors Reactive Materials Team.

In the event that the Clean Harbors Reactive Materials Team is not available, other arrangements can be made with a Clean Harbors approved subcontractor.

APPENDIX 9: HHW Personnel Training

HOUSEHOLD HAZARDOUS WASTE TRAINING MATRIX					
TRAINING REQUIRED	**POSITION/JOB FUNCTION**				
	HHW Project Mgr/ Supervisor	HHW Chemist	Technician	Other (General Laborers, Off-Loaders, etc.)	Other (Traffic Control, Greeters, Counters, etc.)
40-Hour Hazardous Waste Operations & Emergency Response 29 CFR 1910.120	X	X			
24-Hour Hazardous Waste Operations Training 29 CFR 1910.120			X	CA	
8-Hour OSHA Annual Refresher Training	X	X	X		
HHW Orientation Training	X	X	X	X	
Clean Harbors Household Hazardous Waste Training for Project Managers and Supervisors	X				
Unknown Waste Material Fingerprint Analysis Training		X*			
HMTS DOT Hazardous Materials Transportation Skills Training	X	X	X		
HHW Site Safety Meeting	X	X	X	X	X
Medical Surveillance / Clearance	X	X	X	CA	
Respirator Clearance	X	X	X	CA	

* At least one Clean Harbors Chemist on-site must have completed Unknowns Training (CP1080)

- Note – In the State of California, Position/Function of Off loaders will be required to have - Medical Surveillance / Clearance and Respirator Clearance and 24-Hour Hazardous Waste Operations Training 29 CFR 1910.120. Field is checked off with "CA" when applicable.

- Note – Any employee working behind the segregation table is required to have OSHA 40 hour training. Any employee involved in the preparation of hazardous material for transport must be trained in and current with DOT 8 hour training.

APPENDIX 10: Detailed List of DEA Controlled Substances Schedules I-V.

Schedule I			
Substance	**DEA Number**	**Non Narcotic**	**Other Names**
1-(1-Phenylcyclohexyl)pyrrolidine	7458	N	PCPy, PHP, rolicyclidine
1-(2-Phenylethyl)-4-phenyl-4-acetoxypiperidine	9663		PEPAP, synthetic heroin
1-[1-(2-Thienyl)cyclohexyl]piperidine	7470	N	TCP, tenocyclidine
1-[1-(2-Thienyl)cyclohexyl]pyrrolidine	7473	N	TCPy
1-Methyl-4-phenyl-4-propionoxypiperidine	9661		MPPP, synthetic heroin
2,5-Dimethoxy-4-ethylamphetamine	7399	N	DOET
2,5-Dimethoxyamphetamine	7396	N	DMA, 2,5-DMA
3,4,5-Trimethoxyamphetamine	7390	N	TMA
3,4-Methylenedioxyamphetamine	7400	N	MDA, Love Drug
3,4-Methylenedioxymethamphetamine	7405	N	MDMA, Ecstasy, XTC
3,4-Methylenedioxy-N-ethylamphetamine	7404	N	N-ethyl MDA, MDE, MDEA
3-Methylfentanyl	9813		China White, fentanyl
3-Methylthiofentanyl	9833		Chine White, fentanyl
4-Bromo-2,5-dimethoxyamphetamine	7391	N	DOB, 4-bromo-DMA
4-Bromo-2,5-dimethoxyphenethylamine	7392	N	Nexus, 2-CB, has been sold as Ecstasy, i.e. MDMA
4-Methoxyamphetamine	7411	N	PMA
4-Methyl-2,5-dimethoxyamphetamine	7395	N	DOM, STP
4-Methylaminorex (cis isomer)	1590	N	U4Euh, McN-422
5-Methoxy-3,4-methylenedioxyamphetamine	7401	N	MMDA
Acetorphine	9319		
Acetyl-alpha-methylfentanyl	9815		
Acetyldihydrocodeine	9051		Acetylcodone
Acetylmethadol	9601		Methadyl acetate
Allylprodine	9602		

Alphacetylmethadol except levo-alphacetylmethadol	9603		
Alpha-Ethyltryptamine	7249	N	ET, Trip
Alphameprodine	9604		
Alphamethadol	9605		
Alpha-Methylfentanyl	9814		China White, fentanyl
Alpha-Methylthiofentanyl	9832		China White, fentanyl
Aminorex	1585	N	has been sold as methamphetamine
Benzethidine	9606		
Benzylmorphine	9052		
Betacetylmethadol	9607		
Beta-Hydroxy-3-methylfentanyl	9831		China White, fentanyl
Beta-Hydroxyfentanyl	9830		China White, fentanyl
Betameprodine	9608		
Betamethadol	9609		
Betaprodine	9611		
Bufotenine	7433	N	Mappine, N,N-dimethylserotonin
Cathinone	1235	N	Constituent of "Khat" plant
Clonitazene	9612		
Codeine methylbromide	9070		
Codeine-N-oxide	9053		
Cyprenorphine	9054		
Desomorphine	9055		
Dextromoramide	9613		Palfium, Jetrium, Narcolo
Diampromide	9615		
Diethylthiambutene	9616		
Diethyltryptamine	7434	N	DET
Difenoxin	9168		Lyspafen
Dihydromorphine	9145		
Dimenoxadol	9617		
Dimepheptanol	9618		
Dimethylthiambutene	9619		
Dimethyltryptamine	7435	N	DMT
Dioxaphetyl butyrate	9621		
Dipipanone	9622		Dipipan, phenylpiperone HCl, Diconal, Wellconal

APPENDIX 10: Detailed List of DEA Controlled Substances Schedules I-V (page 3 of 11)

Drotebanol	9335		Metebanyl, oxymethebanol
Ethylmethylthiambutene	9623		
Etonitazene	9624		
Etorphine (except HCl)	9056		
Etoxeridine	9625		
Fenethylline	1503	N	Captagon,amfetyline,ethyltheophylline amphetamine
Furethidine	9626		
Gama Hydroxybutyric Acid (GHB)	2010	N	GHB, gama hydroxybutyrate, sodium oxybate
Heroin	9200		Diacetylmorphine, diamorphine
Hydromorphinol	9301		
Hydroxypethidine	9627		
Ibogaine	7260	N	Constituent of "Tabernanthe iboga" plant
Ketobemidone	9628		Cliradon
Levomoramide	9629		
Levophenacylmorphan	9631		
Lysergic acid diethylamide	7315	N	LSD, lysergide
Marijuana	7360	N	Cannabis, marijuana
Mecloqualone	2572	N	Nubarene
Mescaline	7381	N	Constituent of "Peyote" cacti
Methaqualone	2565	N	Quaalude, Parest, Somnafac, Opitimil, Mandrax
Methcathinone	1237	N	N-Methylcathinone, "cat"
Methyldesorphine	9302		
Methyldihydromorphine	9304		
Morpheridine	9632		
Morphine methylbromide	9305		
Morphine methylsulfonate	9306		
Morphine-N-oxide	9307		
Myrophine	9308		
N,N-Dimethylamphetamine	1480	N	
N-Ethyl-1-phenylcyclohexylamine	7455	N	PCE
N-Ethyl-3-piperidyl benzilate	7482	N	JB 323
N-Ethylamphetamine	1475	N	NEA
N-Hydroxy-3,4-methylenedioxyamphetamine	7402	N	N-hydroxy MDA

APPENDIX 10: Detailed List of DEA Controlled Substances Schedules I-V (page 4 of 11)

Nicocodeine	9309		
Nicomorphine	9312		Vilan
N-Methyl-3-piperidyl benzilate	7484	N	JB 336
Noracymethadol	9633		
Norlevorphanol	9634		
Normethadone	9635		Phenyldimazone
Normorphine	9313		
Norpipanone	9636		
Para-Fluorofentanyl	9812		China White, fentanyl
Parahexyl	7374	N	Synhexyl,
Peyote	7415	N	Cactus which contains mescaline
Phenadoxone	9637		
Phenampromide	9638		
Phenomorphan	9647		
Phenoperidine	9641		Operidine, Lealgin
Pholcodine	9314		Copholco, Adaphol, Codisol, Lantuss, Pholcolin
Piritramide	9642		Piridolan
Proheptazine	9643		
Properidine	9644		
Propiram	9649		Algeril
Psilocybin	7437	N	Constituent of "Magic mushrooms"
Psilocyn	7438	N	Psilocin, constituent of "Magic mushrooms"
Racemoramide	9645		
Tetrahydrocannabinols	7370	N	THC, Delta-8 THC, Delta-9 THC and others
Thebacon	9315		Acetylhydrocodone, Acedicon, Thebacetyl
Thiofentanyl	9835		Chine white, fentanyl
Tilidine	9750		Tilidate, Valoron, Kitadol, Lak, Tilsa
Trimeperidine	9646		Promedolum
Schedule II			
1-Phenylcyclohexylamine	7460	N	Precusor of PCP
1-Piperidinocyclohexanecarbonitrile	8603	N	PCC, precusor of PCP
Alfentanil	9737		Alfenta
Alphaprodine	9010		Nisentil

APPENDIX 10: Detailed List of DEA Controlled Substances Schedules I-V (page 5 of 11)

Amobarbital	2125	N	Amytal, Tuinal
Amphetamine	1100	N	Dexedrine, Biphetamine
Anileridine	9020		Leritine
Benzoylecgonine	9180		Cocaine metabolite
Bezitramide	9800		Burgodin
Carfentanil	9743		Wildnil
Coca Leaves	9040		
Cocaine	9041		Methyl benzoylecgonine, Crack
Codeine	9050		Morphine methyl ester, methyl morphine
Dextropropoxyphene, bulk (non-dosage forms)	9273		Propoxyphene
Dihydrocodeine	9120		Didrate, Parzone
Diphenoxylate	9170		
Diprenorphine	9058		M50-50
Ecgonine	9180		Cocaine precursor, in Coca leaves
Ethylmorphine	9190		Dionin
Etorphine HCl	9059		M 99
Fentanyl	9801		Innovar, Sublimaze, Duragesic
Glutethimide	2550	N	Doriden, Dorimide
Hydrocodone	9193		dihydrocodeinone
Hydromorphone	9150		Dilaudid, dihydromorphinone
Isomethadone	9226		Isoamidone
Levo-alphacetylmethadol	9648		LAAM, long acting methadone, levomethadyl acetate
Levomethorphan	9210		
Levorphanol	9220		Levo-Dromoran
Meperidine	9230		Demerol, Mepergan, pethidine
Meperidine intermediate-A	9232		Meperidine precursor
Meperidine intermediate-B	9233		Meperidine precursor
Meperidine intermediate-C	9234		Meperidine precursor
Metazocine	9240		
Methadone	9250		Dolophine, Methadose, Amidone
Methadone intermediate	9254		Methadone precursor
Methamphetamine	1105	N	Desoxyn, D-desoxyephedrine, ICE, Crank, Speed
Methylphenidate	1724	N	Ritalin

APPENDIX 10: Detailed List of DEA Controlled Substances Schedules I-V (page 6 of 11)

Metopon	9260		
Moramide-intermediate	9802		
Morphine	9300		MS Contin, Roxanol, Duramorph, RMS, MSIR
Nabilone	7379	N	Cesamet
Opium extracts	9610		
Opium fluid extract	9620		
Opium poppy	9650		Papaver somniferum
Opium tincture	9630		Laudanum
Opium, granulated	9640		Granulated opium
Opium, powdered	9639		Powdered Opium
Opium, raw	9600		Raw opium, gum opium
Oxycodone	9143		OxyContin, Percocet, Tylox, Roxicodone, Roxicet,
Oxymorphone	9652		Numorphan
Pentobarbital	2270	N	Nembutal
Phenazocine	9715		Narphen, Prinadol
Phencyclidine	7471	N	PCP, Sernylan
Phenmetrazine	1631	N	Preludin
Phenylacetone	8501	N	P2P, phenyl-2-propanone, benzyl methyl ketone
Piminodine	9730		
Poppy Straw	9650		Opium poppy capsules, poppy heads
Poppy Straw Concentrate	9670		Concentrate of Poppy Straw, CPS
Racemethorphan	9732		
Racemorphan	9733		Dromoran
Remifentanil	9739		Ultiva
Secobarbital	2315	N	Seconal, Tuinal
Sufentanil	9740		Sufenta
Thebaine	9333		Precursor of many narcotics
Schedule III			
Amobarbital & noncontrolled active ingred.	2126	N	Amobarbital/ephedrine capsules
Amobarbital suppository dosage form	2126	N	
Anabolic steroids	4000	N	"Body Building" drugs
Aprobarbital	2100	N	Alurate
Barbituric acid derivative	2100	N	Barbiturates not specifically listed

APPENDIX 10: Detailed List of DEA Controlled Substances Schedules I-V (page 7 of 11)

Benzphetamine	1228	N	Didrex, Inapetyl
Boldenone	4000	N	Equipoise, Parenabol, Vebonol, dehydrotestosterone
Buprenorphine	9064		Buprenex, Temgesic
Butabarbital	2100	N	Butisol, Butibel
Butalbital	2100	N	Fiorinal, Butalbital with aspirin
Chlorhexadol	2510	N	Mechloral, Mecoral, Medodorm, Chloralodol
Chlorotestosterone (same as clostebol)	4000	N	if 4-chlorotestosterone then clostebol
Chlorphentermine	1645	N	Pre-Sate, Lucofen, Apsedon, Desopimon
Clortermine	1647	N	Voranil
Clostebol	4000	N	Alfa-Trofodermin, Clostene, 4-chlorotestosterone
Codeine & isoquinoline alkaloid 90 mg/du	9803		Codeine with papaverine or noscapine
Codeine combination product 90 mg/du	9804		Empirin, Fiorinal, Tylenol, ASA or APAP w/codeine
Dehydrochlormethyltestosterone	4000	N	Oral-Turinabol
Dihydrocodeine combination product 90 mg/du	9807		Synalgos-DC, Compal
Dihydrotestosterone (same as stanolone)	4000	N	see stanolone
Dronabinol in sesame oil in soft gelatin capsule	7369	N	Marinol, synthetic THC in sesame oil/soft gelatin
Drostanolone	4000	N	Drolban, Masterid, Permastril
Ethylestrenol	4000	N	Maxibolin, Orabolin, Durabolin-O, Duraboral
Ethylmorphine combination product 15 mg/du	9808		
Fluoxymesterone	4000	N	Anadroid-F, Halotestin, Ora-Testryl
Formebolone (incorrect spelling in law)	4000	N	Esiclene, Hubernol
Hydrocodone & isoquinoline alkaloid 15 mg/du	9805		Dihydrocodeinone+papaverine or noscapine
Hydrocodone combination product 15 mg/du	9806		Tussionex, Tussend, Lortab, Vicodin, Hycodan, Anexsia ++
Ketamine	7285	N	Ketaset, Ketalar, Special K, K
Lysergic acid	7300	N	LSD precursor
Lysergic acid amide	7310	N	LSD precursor
Mesterolone	4000	N	Proviron
Methandienone (see Methandrostenolone)	4000	N	
Methandranone	4000	N	?incorrect spelling of methandienone?

APPENDIX 10: Detailed List of DEA Controlled Substances Schedules I-V (page 8 of 11)

Methandriol	4000	N	Sinesex, Stenediol, Troformone
Methandrostenolone	4000	N	Dianabol, Metabolina, Nerobol, Perbolin
Methenolone	4000	N	Primobolan, Primobolan Depot, Primobolan S
Methyltestosterone	4000	N	Android, Oreton, Testred, Virilon
Methyprylon	2575	N	Noludar
Mibolerone	4000	N	Cheque
Morphine combination product/50 mg/100 ml or gm	9810		
Nalorphine	9400		Nalline
Nandrolone	4000	N	Deca-Durabolin, Durabolin, Durabolin-50
Norethandrolone	4000	N	Nilevar, Solevar
Opium combination product 25 mg/du	9809		Paregoric, other combination products
Oxandrolone	4000	N	Anavar, Lonavar, Provitar, Vasorome
Oxymesterone	4000	N	Anamidol, Balnimax, Oranabol, Oranabol 10
Oxymetholone	4000	N	Anadrol-50, Adroyd, Anapolon, Anasteron, Pardroyd
Pentobarbital & noncontrolled active ingred.	2271	N	FP-3
Pentobarbital suppository dosage form	2271	N	WANS
Phendimetrazine	1615	N	Plegine, Prelu-2, Bontril, Melfiat, Statobex
Secobarbital & noncontrolled active ingred	2316	N	various
Secobarbital suppository dosage form	2316	N	various
Stanolone	4000	N	Anabolex, Andractim, Pesomax, dihydrotestosterone
Stanozolol	4000	N	Winstrol, Winstrol-V
Stimulant compounds previously excepted	1405	N	Mediatric
Sulfondiethylmethane	2600	N	
Sulfonethylmethane	2605	N	
Sulfonmethane	2610	N	
Talbutal	2100	N	Lotusate
Testolactone	4000	N	Teslac
Testosterone	4000	N	Android-T, Androlan, Depotest, Delatestryl
Thiamylal	2100	N	Surital
Thiopental	2100	N	Pentothal
Tiletamine & Zolazepam Combination Product	7295	N	Telazol
Trenbolone	4000	N	Finaplix-S, Finajet, Parabolan

APPENDIX 10: Detailed List of DEA Controlled Substances Schedules I-V (page 9 of 11)

Vinbarbital	2100	N	Delvinal, vinbarbitone
Schedule IV			
Alprazolam	2882	N	Xanax
Barbital	2145	N	Veronal, Plexonal, barbitone
Bromazepam	2748	N	Lexotan, Lexatin, Lexotanil
Butorphanol	9720	N	Stadol, Stadol NS, Torbugesic, Torbutrol
Camazepam	2749	N	Albego, Limpidon, Paxor
Cathine	1230	N	Constituent of "Khat" plant
Chloral betaine	2460	N	Beta Chlor
Chloral hydrate	2465	N	Noctec
Chlordiazepoxide	2744	N	Librium, Libritabs, Limbitrol, SK-Lygen
Clobazam	2751	N	Urbadan, Urbanyl
Clonazepam	2737	N	Klonopin, Clonopin
Clorazepate	2768	N	Tranxene
Clotiazepam	2752	N	Trecalmo, Rize
Cloxazolam	2753	N	Enadel, Sepazon, Tolestan
Delorazepam	2754	N	
Dexfenfluramine	1670	N	Redux
Dextropropoxyphene dosage forms	9278		Darvon, propoxyphene, Darvocet, Dolene, Propacet
Diazepam	2765	N	Valium, Valrelease
Dichloralphenazone	2467	N	Midrin, dichloralantipyrine
Diethylpropion	1610	N	Tenuate, Tepanil
Difenoxin 1 mg/25 ug AtSO4/du	9167		Motofen
Estazolam	2756	N	ProSom, Domnamid, Eurodin, Nuctalon
Ethchlorvynol	2540	N	Placidyl
Ethinamate	2545	N	Valmid, Valamin
Ethyl loflazepate	2758	N	
Fencamfamin	1760	N	Reactivan
Fenfluramine	1670	N	Pondimin, Ponderal
Fenproporex	1575	N	Gacilin, Solvolip
Fludiazepam	2759	N	
Flunitrazepam	2763	N	Rohypnol, Narcozep, Darkene, Roipnol
Flurazepam	2767	N	Dalmane
Halazepam	2762	N	Paxipam
Haloxazolam	2771	N	

APPENDIX 10: Detailed List of DEA Controlled Substances Schedules I-V (page 10 of 11)

Ketazolam	2772	N	Anxon, Loftran, Solatran, Contamex
Loprazolam	2773	N	
Lorazepam	2885	N	Ativan
Lormetazepam	2774	N	Noctamid
Mazindol	1605	N	Sanorex, Mazanor
Mebutamate	2800	N	Capla
Medazepam	2836	N	Nobrium
Mefenorex	1580	N	Anorexic, Amexate, Doracil, Pondinil
Meprobamate	2820	N	Miltown, Equanil, Deprol, Equagesic, Meprospan
Methohexital	2264	N	Brevital
Methylphenobarbital (mephobarbital)	2250	N	Mebaral, mephobarbital
Midazolam	2884	N	Versed
Modafinil	1680	N	Provigil
Nimetazepam	2837	N	Erimin
Nitrazepam	2834	N	Mogadon
Nordiazepam	2838	N	Nordazepam, Demadar, Madar
Oxazepam	2835	N	Serax, Serenid-D
Oxazolam	2839	N	Serenal, Convertal
Paraldehyde	2585	N	Paral
Pemoline	1530	N	Cylert
Pentazocine	9709	N	Talwin, Talwin NX, Talacen, Talwin Compound
Petrichloral	2591	N	Pentaerythritol chloral, Periclor
Phenobarbital	2285	N	Luminal, Donnatal, Bellergal-S
Phentermine	1640	N	Ionamin, Fastin, Adipex-P, Obe-Nix, Zantryl
Pinazepam	2883	N	Domar
Pipradrol	1750	N	Detaril, Stimolag Fortis
Prazepam	2764	N	Centrax
Quazepam	2881	N	Doral, Dormalin
Sibutramine	1675	N	Meridia
SPA	1635	N	1-dimethylamino-1,2-diphenylethane, Lefetamine
Temazepam	2925	N	Restoril
Tetrazepam	2886	N	
Triazolam	2887	N	Halcion

APPENDIX 10: Detailed List of DEA Controlled Substances Schedules I-V (page 11 of 11)

Zaleplon	2781	N	Sonata
Zolpidem	2783	N	Ambien, Stilnoct,Ivadal
Schedule V			
Codeine preparations - 200 mg/100 ml or 100 gm			Cosanyl,Robitussin A-C,Cheracol,Cerose,Pediacof
Difenoxin preparations - 0.5 mg/25 ug AtSO4/du			Motofen
Dihydrocodeine preparations 10 mg/100 ml or 100 gm			Cophene-S, various others
Diphenoxylate preparations 2.5 mg/25 ug AtSO4			Lomotil, Logen
Ethylmorphine preparations 100 mg/100 ml or 100 gm			
Opium preparations - 100 mg/100 ml or gm			Parepectolin, Kapectolin PG, Kaolin Pectin P.G.
Pyrovalerone	1485	N	Centroton, Thymergix

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

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

					Volume		Extended
1	**Method of Disposal**	**LRCT: Incineration**	**Price per Pound**				
			$ 3.00		500	$	1,500.00
	Lab Pack Reactives						
	cyanides	water-reactives					
2	**Method of Disposal**	**LCCR: Incineration**	**Price per Pound**				
			$ 1.05		5,000	$	5,250.00
	Non-Reactive Lab Packs (treatment/incinerate)						
3	**Method of Disposal**	**LCCR: Incineration**	**Price per Pound**				
			$ 1.05		0	$	-
	Un Pack/De Pack Lab Packs						
4	**Method of Disposal**	**LLF/LCCR: Landfill, Incineration**	**Price per Pound**				
			$ 1.08		0	$	-
	Non-Hazardous Materials Lab Packs						
5	**Method of Disposal**	**LCHG2: Stabilization**	**Price per Pound**				
			$ 10.00		350	$	3,500.00
	Mercury						
	mercury	mercury compounds	mercury pesticides				
6	**Method of Disposal**	**LCCRP: Incineration**	**Price per Pound**				
			$ 20.00		0	$	-
	Dioxin						
7	**Method of Disposal**	**B35: Recycle/WWT**	**Price per Pound**				
			$ 0.20		1,500	$	300.00
	Antifreeze						
	antifreeze						
8	**Method of Disposal**	**A31/FB1: Recycle/Fuel Blend**	**Price per Pound**				
			$ -		15,000	$	-
	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	0	$	-
	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	50,000	$	10,500.00
	Flammable Solvents - Liquid (bulk)					

11	Method of Disposal	LPTP/LPTN: Fuel Blend/Incineration	Price per Pound			
			$ 0.60	0	$	-
	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			

12	Method of Disposal	FB2: Energy Recovery, Fuel Blend/Incineration	Price per Pound			
			$ 0.24	30,000	$	7,200.00
	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				

13	Method of Disposal	LPTP/LPTN: Fuel Blend/Incineration	Price per Pound			
			$ 0.60	15,000	$	9,000.00
	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				

14	Method of Disposal	LCCRO: Incineration	Price per Pound			
		Liquid	$ 3.00	0	$	-
		Solid	$ 3.00	0	$	-
	Oxidizers and Swimming Pool Chemicals					

15	Method of Disposal	LAT/LCCR: Treat/Incinerate	Price per Pound			
		Liquid	$ 1.08	3,000	$	3,240.00

			Solid	$ 1.08	3,000	$ 3,240.00
	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	3,000 $ 3,240.00
			Solid	$ 1.08	3,000 $ 3,240.00
	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	1,000	$ 450.00
	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	45,000	$ 48,600.00
	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	25,000	$ 27,000.00
	Aerosol Cans Non-Foaming, Non-Iso-cyanate				
	Spray paint	Pesticide Aerosols			

	Method of Disposal	LCY2: Recycle	Price per Each		
20			$ 30.00	0	$ -
	Fire Extingusher - Household				

	Method of Disposal	LCY1: Recycle	Price per Each		
21			$ 15.00	200	$ 3,000.00
	Grill Propane Tanks or cylinders (only)				

	Method of Disposal	CFL1: Reclamation/recycle	Price per Linear Foot		
22	**Fluorescent bulbs**		$ 0.23	8,000	$ 1,840.00

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

24	**Method of Disposal**	**D80B: Reclamation/recycle**	**Price per Pound**		1,000	$	950.00
			$ 0.95				
	PCB Ballast						

25	**Method of Disposal**	**COF: Reclamation/recycle**	**Price /Credit per Pound**	*			
			$ 0.21		0	$	-
	Motor Oil and filters						
	motor oil	oil filters					

16	**Method of Disposal**	**LFB3: Reclamation/recycle**	**Price per Pound**	*			
			$ 1.30		0	$	-
	Latex/Water based paint (Processable 1 and 5 gallon containers)						

27	**Method of Disposal**	**CNOS: Landfill**	**Price per Pound**	*			
			$ 0.24		0	$	-
	Latex/Water based paint (Non-processable pints and quarts)						

28	**Method of Disposal**	**LBLA: Reclamation/recycle**	**Price/Credit per Battery**	*			
			$ 0.45		0	$	-
	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** 149,550

(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.