

MEDICAL WASTE PRODUCING FACILITY REQUIREMENTS

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AGENDA AND OBJECTIVES

- I. General Program Overview
- II. Types of Regulated Medical Waste
- III. Medical Waste Producing Facility Requirements
- IV. Program Initiatives



PROGRAM CONTACT INFO

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MEDICAL WASTE REGULATORY PROGRAM

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PRIMARY OBJECTIVES

- To protect the public and healthcare workers from risks of infectious diseases contracted from improper disposal of potentially infectious wastes
- To protect Michigan's environment from degradation and pollution from improper disposal of medical industry derived plastics, sharps, and contaminants

REGULATORY AUTHORITY AND PROGRAM

PROGRAM	Medical Waste Regulatory Program
AUTHORITY	Medical Waste Regulatory Act, Part 138 of the Michigan Public Health Code, and associated Administrative Rules
AGENCY	Michigan Department of Environmental Quality
PROGRAM ESTABLISHED	1990
TOTAL ACTIVE REGISTRANTS	~16,000
PROGRAM STAFF	One Full-Time Program Specialist, One Part-Time Registration Technician

MEDICAL WASTE PRODUCING FACILITY

"Producing facility" means a facility that generates, stores, decontaminates, or incinerates medical waste

MEDICAL WASTE PRODUCING FACILITIES

- **Physician's Offices, Dental Practices,**
- **Podiatry Offices, Veterinary Practices**
- **Mortuaries**
- **Nursing Homes**
- **Hospitals**
- **Tattoo/Body Art Facilities**
- **Pharmacies**
- **Any other facility that stores, generates, decontaminates, or incinerates medical waste**

CATEGORIES OF MEDICAL WASTE

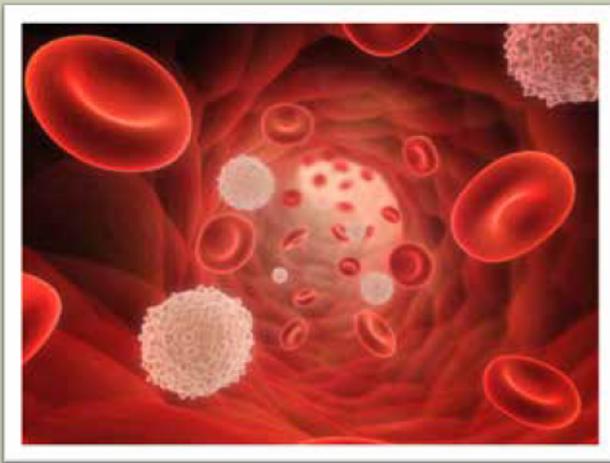
Cultures and stocks of infectious agents and associated biologicals, including,

- laboratory waste
- biological production wastes
- discarded live and attenuated vaccines
- culture dishes and related devices



CATEGORIES OF MEDICAL WASTE

Liquid human and animal waste, including blood and blood products and body fluids, but not including urine or materials stained with blood or body fluids



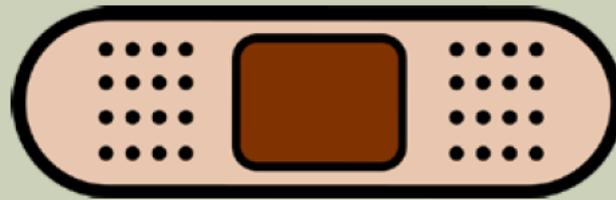
CATEGORIES OF MEDICAL WASTE

Pathological Waste includes human organs, tissues, body parts other than teeth, products of conception*, and fluids removed by trauma or during surgery or autopsy or other medical procedure, not fixed in formaldehyde

*The MWRA was modified in 2013 by the Legislature limiting what is considered a 'product of conception' to exclude fetuses, fetal remains, etc. of a predetermined gestational age. They are not considered to be pathological waste.

CATEGORIES OF MEDICAL WASTE

Rules under the MWRA further define '**stained with blood or body fluids**' to mean the contaminated item cannot release blood or body fluids in a liquid or semi-liquid state when compressed, or caked and dried blood or body fluids are not capable of being released when handled, making it an unregulated waste



CATEGORIES OF MEDICAL WASTE

- **Sharps** includes needles, syringes, scalpels, and intravenous tubing with needles attached
- The **MIOSHA Blood Borne Infectious Diseases Standard Part 554**) also requires the following to be treated as sharps in accordance with the MWRA:
 1. **Broken Glass**
 2. **Broken Capillary Tubes**
 3. **Exposed Ends of Dental Wires**



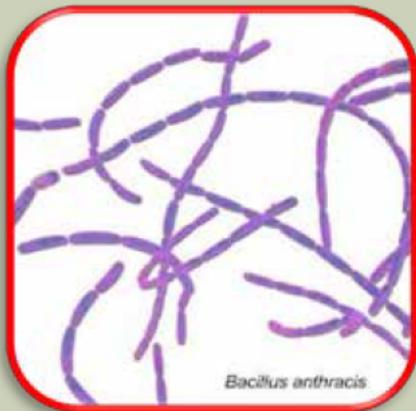
CATEGORIES OF MEDICAL WASTE

Contaminated wastes from animals that have been exposed to agents infectious to humans, these being primarily research animals



OUTBREAKS OF CDC LEVEL III AND LEVEL IV PATHOGENS: UNDER FEDERAL JURISDICTION

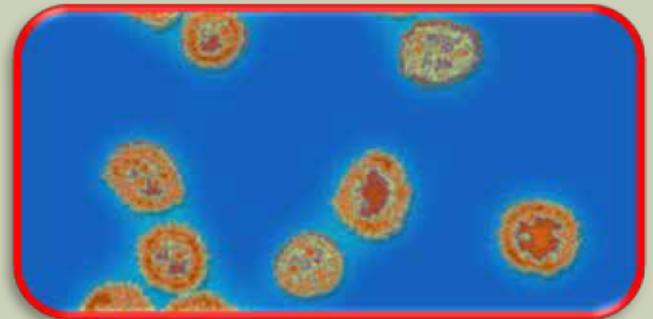
Bacillus anthracis, *Lassa* virus, *Ebola*, and *West Nile* are examples of outbreaks requiring EPA, CDC, or DOT-issued directives on disposal



ANTHRAX



EBOLA



LASSA

MEDICATIONS

Medical waste does not include pharmaceuticals unless they contain live or attenuated vaccines in which case they're dual/mixed waste

OTHER AGENCIES REGULATING MEDICAL WASTE

- DEQ – regulates how generators must regulate their med waste from point of generation to disposal
- EPA – guidelines for land disposal and incineration
- DOT – packaging, labeling, shipping, and transportation
- MIOSHA – handling of bloodborne infection diseases

GUIDEBOOK

Includes medical waste producer requirements in Section 1, Chapter 2, Section 2.5 (page 2-82)

SECTION ONE: Environmental Regulations

- ✓ Using another required emergency training program which does not have a portion clearly devoted to the hazardous waste requirements intended to ensure compliance with the hazardous waste regulations.
- ✓ Failing to have employees trained annually for Large Quantity Generators

Universal Waste Training

Small Quantity Handlers and Large Quantity Handlers must inform employees who handle or have responsibility for managing universal waste about the proper handling and emergency procedures relative to their responsibilities and appropriate for the type of universal waste handled at that facility.

2.5 Medical Waste



The management of medical waste is directly or indirectly regulated under federal, state, and local statutes, and rules, and recommended guidelines. The following summarizes the different agencies with regulatory oversight in the management of medical waste.

- The DEQ, [Medical Waste Regulatory Program](#) oversees Michigan's Medical Waste Regulatory Act (Part 138 of Michigan's Public Health Code, Public Act 368 of 1978, as amended [Act 368]) and administrative rules. Part 138 of Act 368 mandates how generators of medical waste must manage their medical waste from point of generation to disposal excluding transport on public roadway which is regulated by the U.S. DOT.
- The U.S. EPA has regulations and has issued [guidelines](#) for land disposal and incineration facilities handling infectious wastes. The guidelines list minimum performance criteria and outline recommended management procedures.
- The U.S. DOT regulates packaging, labeling, transportation, and shipping of medical waste on an interstate basis (see Title 49, Part 171 of the Code of Federal Regulations [49 CFR 171]) along with the [Michigan State Police, Commercial Vehicle Enforcement Division](#). Federal guidelines and regulations are basically minimum standards that have been either adopted by Michigan statute, or Michigan has established parallel statutes and rules that are more comprehensive than the federal regulations.
- The [NIOSH Standard - Part 554 "Bloodborne Infectious Diseases"](#) (R 325.70001 through R325.70018), administered by [DLARA](#) also addresses the handling of liquids, semi-liquid blood, or other potentially infectious materials (see Chapter 22).
- For local requirements, contact the [local health department](#).

Medical waste as defined under Part 138 of Act 368 includes the following wastes that are not generated from a household, a farm, an agricultural business, a home for the aged, or a home health care agency:

- Cultures and stocks of infectious agents and associated biologicals, including laboratory waste, biological production wastes, discarded live and attenuated vaccines, culture dishes, and related devices.
- Liquid human and animal waste, including blood and blood products and body fluids, but not including urine or materials stained with blood or body fluids.
- Pathological waste which includes human organs, tissues, body parts other than teeth, products of conception, and fluids removed by trauma or during surgery or autopsy or

2-82

Environmental Assistance Center - 800-862-8278

GUIDEBOOK

Includes US DOT standards in Section 1, Chapter 4, page 4-16



U.S. Department of Transportation
Pipeline and Hazardous Materials Safety Administration



Transporting Infectious Substances Safely

Packaging Requirements

173.24	General Packaging
173.24a	Requirements for all HAZMAT
173.24a(c)	Changes regarding Infectious Substances and mixed contents
173.134(b) 173.134(c)	Exceptions for: Division 6.2 Packaging Regulated Medical Waste
173.196	Category A Infectious Substance
173.197	Regulated Medical Waste
173.199	Category B Infectious Substance
178.609	6.2 Packaging Tests

GUIDEBOOK

Includes MIOSHA
bloodborne infection
diseases standards
in Section 2, Chapter
22, page 22-1

SECTION TWO – MIOSHA REGULATIONS

PART 2: MIOSHA HEALTH REGULATIONS

CHAPTER 22: Bloodborne Infectious Diseases

If your employees are, or have the potential to be, exposed to blood or other potentially infectious materials (OPIMs), the expanded standard under MIOSHA General Industry Occupational Health Standards - Part 554, Bloodborne Infectious Diseases (R 325.70001-70018) applies. OPIMs include semen, vaginal secretions, and several internal body fluids. Sweat, tears, saliva (except in dental procedures), urine, feces, and vomitus are not considered as other OPIMs unless they contain visible blood or OPIM. You may want to refer to the standard for further information pertaining to other potentially infectious materials.



In a manufacturing facility, exposure to blood or other potentially infectious material may occur from designated personnel providing first aid services (see Chapter 24). Exposure means reasonably anticipated skin, eye, mucous membrane, or related contact with blood or other potentially infectious material that may result from performing job duties.

If employees are, or potentially are, exposed to blood or other potentially infectious materials, under the Bloodborne Infectious Diseases Standard you must:

- Characterize jobs as either "Category A" or "Category B." To be classified as Category A, procedures or tasks must involve potential exposure to blood or other potentially infectious materials. Category B means there is no reasonable potential exposure to blood or other potentially infectious materials. This exposure determination must be made without considering the use of personal protective equipment. In other words, you need to consider if blood or other potentially infectious material could contact the employee or the employee's clothing if no personal protective equipment were used.
- Maintain a list of job classifications determined to be Category A.
- Assess and document the basis used for determining the exposure potential for both categories.

Develop a written exposure control plan, which includes:

- An exposure determination.
- A schedule and method of implementation for each applicable rule of this standard.
- Content or a summary of the required training program.
- Procedures for evaluating exposure incidents (post-exposure follow-up procedures).
- Management of inadvertent exposure such as needle sticks or mucous membrane exposures.
- Appropriate task-specific standard operating procedures.

FIELD INSPECTIONS: STAFF ENGAGEMENT



MEDICAL WASTE PRODUCER REQUIREMENTS

Medical Waste Regulatory Act requires:

- Certificate of Registration
- Medical Waste Management Plan
- Employee training records
- Proper packaging
- Storage no longer than 90 days
- Shipment records

MEDICAL WASTE PRODUCER REGISTRATION

- Facilities that produce any volume of medical waste must register as a medical waste producer under the public health code
- Registrations require renewal every three years
- Renewal applications are sent to facilities automatically
- Registration fees vary between \$50 to \$150 depending upon the facility type

MEDICAL WASTE PRODUCER REGISTRATION

- Initial application and renewal can be completed and paid on-line
- Go to www.michigan.gov/deqmedwaste
- Select “Registration and Fee Payment Portal”



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

Initial Application for Registration as a Producing Facility of Medical Waste

This information is **required** under authority of Part 138 of 1978 PA 308 as amended. Failure to register is subject to an administrative fine of \$500.00. If you are registering for more than one (1) facility, please complete and submit a separate application and a sum of total fees for each.

- PLEASE PRINT ALL REQUIRED INFORMATION -

PRODUCING FACILITY NAME AND ADDRESS: Enter the facility name and address as it is to appear on the Certificate of Registration.	
PRODUCING FACILITY NAME	
STREET ADDRESS	
CITY, STATE, ZIP CODE	COUNTY
CONTACT NAME	TITLE
TELEPHONE NUMBER	EMAIL ADDRESS
APPLICATION DATE	

BILL TO NAME AND ADDRESS: Enter the BILLING name and address if different from the producing facility name and address.	
BILL TO NAME	
PO BOX OR STREET ADDRESS	
CITY, STATE, ZIP CODE	COUNTY
CONTACT NAME	TITLE



VERIFY A LICENSE/REGISTRATION

- Go to www.michigan.gov/lara
- Select “Verify a License”
- Select “Hospitals, Hospices, Surgery Centers, Nursing Homes, Substance Abuse ”
- Select “Person” or “Business”
- Enter search criteria
- Select “Search”

VERIFY A LICENSE/REGISTRATION

Example of search for “Oakland County”



Verify a License or Registration

Person Business

Name:	<input type="text" value="oakland county"/>	County:	<input type="text" value="<Any>"/>
City:	<input type="text"/>	Specialty:	<input type="text" value="<Any>"/>
License Type:	<input type="text" value="<All Types>"/>	<input type="button" value="Clear"/>	
License Number:	<input type="text"/>	<input type="button" value="Search"/>	

Name	Profession	License Type	Permanent ID#
OAKLAND COUNTY ANIMAL CONTROL	Medical Waste Producers	Other (specify)	MW0003879
OAKLAND COUNTY ANIMAL SHELTER	Pharmacy	CS - Sodium Pentobarbital Facility	5304000102
OAKLAND COUNTY CHILDRENS VILLAGE	Medical Waste Producers	Clinic-health dept., university, etc.	MW0046211
OAKLAND COUNTY COMMUNITY CORRECTIONS STEP FORWARD PROGRAM	Health Systems Facilities	Substance Abuse	SA0631104
OAKLAND COUNTY DENTAL ASSISTANT SOCIETY	Dentistry	CE Sponsor	299010035
OAKLAND COUNTY HEALTH DEPARTMENT	Medical Waste Producers	Laboratory-clinical/analytical/research	MW0004672

MEDICAL WASTE MANAGEMENT PLAN

- Required of all medical waste producing facilities
- Must list and describe the type(s) of medical waste produced by the facility and method(s) of packaging, storage, treatment, and disposal used for each medical waste type.
- Sample plan is available at www.michigan.gov/deqmedwaste

EMPLOYEE TRAINING & RECORDS

- PPE and universal precautions must be practiced to prevent risk of infection and exposure
- Record of training for all employees handling medical waste at the facility required
- Must be documented in accordance with the Medical Waste Management Plan and made available for at least 3 years

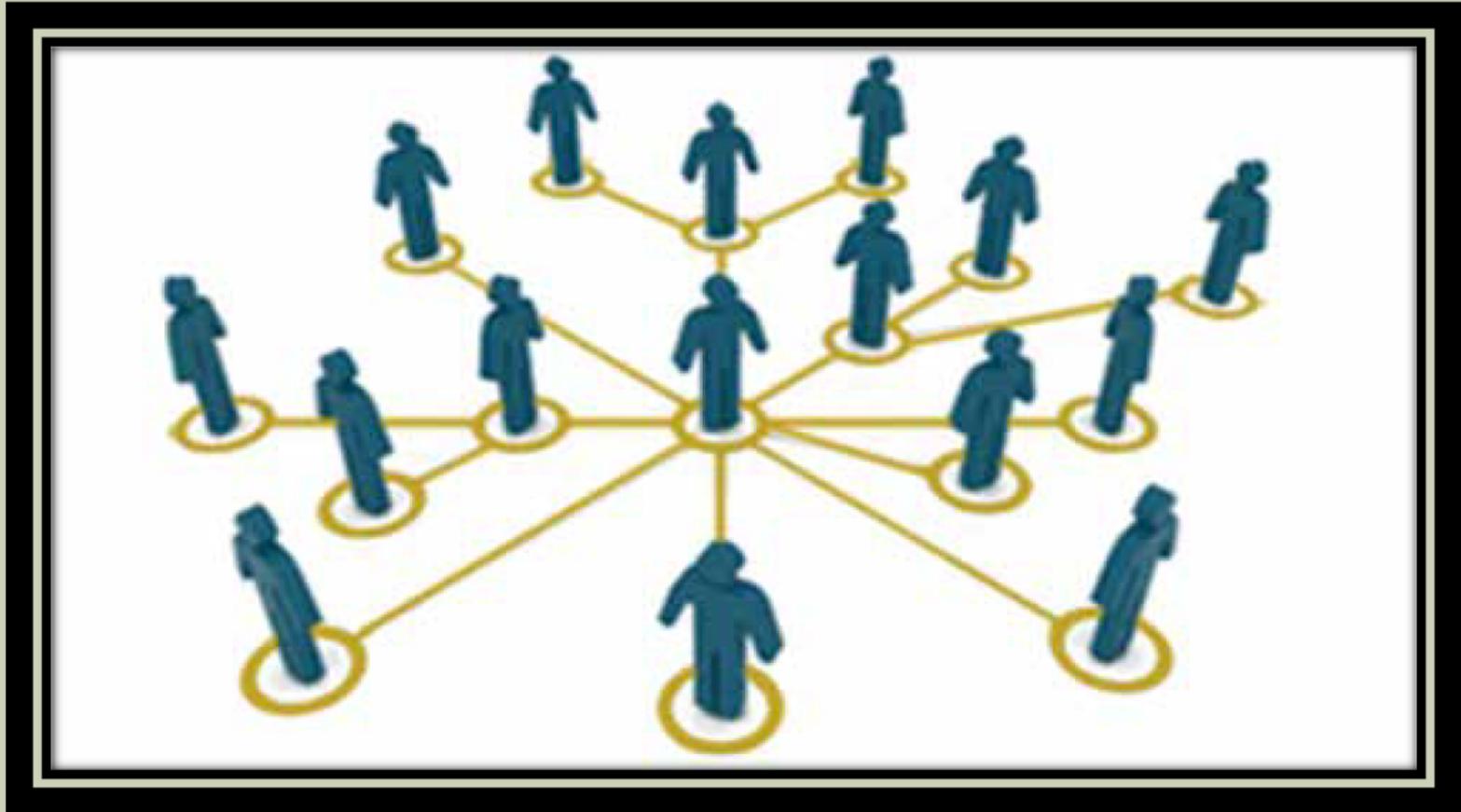
PROPER PACKAGING

- Medical waste must be collected separate from other wastes
- Containers must be rigid, puncture-proof, leak-proof, and labeled with a biohazard symbol
- Medical waste may be stored at a producing facility no longer than 90 days (sharps included)
- Period begins on the date when the container use is initiated

SHIPMENT RECORDS

- Shipping records documenting medical waste is removed from the facility at least every 90 days
- Minimum of 3 years of records must be maintained

PROGRAM RESOURCES



CURRENT PILOT PROJECT

- 2013 initiated pilot program with Local Health Department inspection support
- Near conclusion of the third year of the pilot
- Includes local health departments from 23 Michigan counties
- Will evaluate expansion of program and funding following pilot

CURRENT PILOT PROJECT PARTICIPANT COUNTIES

LOCAL HEALTH DEPARTMENT PILOT PROGRAM PARTICIPANT CONTACT INFORMATION

NAME OF HEALTH DEPARTMENT	COUNTIES SERVED	WEB SITE	MAIN CONTACT NUMBER
DISTRICT HEALTH DEPARTMENT #10	CRAWFORD, KALKASKA, LAKE, MANISTEE, MASON, MECOSTA, MISSAUKEE, OCEANA, NEWAYGO, WEXFORD	www.dhd10.org/	231-873-2193
ALLEGAN COUNTY HEALTH DEPARTMENT	ALLEGAN	www.allegancounty.org/	269-673-5411
BARRY-EATON DISTRICT HEALTH DEPARTMENT	BARRY, EATON	www.barryeatonhealth.org/	517-543-2430
BRANCH-HILLSDALE-ST JOSEPH COMMUNITY HEALTH AGENCY	BRANCH, HILLSDALE, ST JOSEPH	www.bhsj.org	517-279-9561
IONIA COUNTY HEALTH DEPARTMENT	IONIA	www.ioniacounty.org/health-department/	616-527-5341
LIVINGSTON COUNTY DEPARTMENT OF PUBLIC HEALTH	LIVINGSTON	www.lchd.org	517-546-9850
MID-MICHIGAN DISTRICT HEALTH DEPARTMENT	CLINTON, GRATIOT, MONTCALM	www.mmdhd.org	989-831-5237
MUSKEGON COUNTY PUBLIC HEALTH	MUSKEGON	www.muskegonhealth.net	231-724-6246
OAKLAND COUNTY HEALTH DIVISION	OAKLAND	www.oakgov.com/health	248-858-1280

NEW PROGRAM INITIATIVES

- Convening a stakeholder workgroup to amend the existing statute (enacted in 1990)
- Continuing to recruit and offer assistance in the development of community-based sharps collections programs for residents
- Goal of improving customer service and enhancing overall program efficiency

MEDICAL WASTE WEB PAGE

www.michigan.gov/deqmedwaste

Medical Waste Regulatory Program Information

- [Medical Waste Frequently Asked Questions](#) 
- [Medical Waste Directory](#) 
- [Registration and Fee Payment Portal](#) 
- [2016 DEQ & LHD Pilot Project Resource Information](#)
- [Dental Amalgam Waste Removal Systems](#) 
- [Medical Waste Disposal Services](#) 
- [Medical Waste Pocket Reference](#) 
- [Initial Registration Application](#) 
- [The Point is...Needles Hurt!](#) 
- [A Remedy for Prescription Drug Disposal](#) 
- [Sharps Collection Programs for Michigan Residents](#) 
- [Medical Waste Management Sample Plan](#) 
- [Approved Alternative Treatment Technologies for Medical Waste](#) 
- [Contact Information for Medical Waste](#)
- [Medical Waste Annual Report 2014](#) 
- [Medical Waste Contact Info and Program Description](#)

Laws and Rules

- [Medical Waste Producing Facilities Administrative Rules](#) 
- [Medical Waste Regulatory Act](#) 

MEDICAL WASTE WEB PAGE

- Medical Waste Directory (Identifies Medical vs. Non-Medical Waste)
- Online Registration and Fee Payment Portal (Initial and Renewal)
- Dental Amalgam Waste Removal Systems (DEQ Interpretation)
- Medical Waste Disposal Services for Businesses
- Sharps Collection Programs by County for Michigan Residents

MEDICAL WASTE WEB PAGE

- Medical Waste Pocket Reference for Regulated Facilities
- Sample Medical Waste Management Plan (to complete and file on-site at facility within 90 days of registration)
- Prescription/Unused Medication Disposal Recommendations
- Approved Alternative Treatment Technologies for Medical Waste
- Home-Generated Sharps Disposal Options Brochure