

BIOMEDICAL WASTE FACILITY INSPECTION REPORT*

*Note: Biomedical waste facilities and commercial biomedical waste incinerators are subject to the Solid Waste processing facility requirements of OAC 252:520 Subchapter 13 in addition to these requirements. The Solid Waste processing facility checklist must be used in conjunction with the Biomedical Waste processing facility checklist.

Facility name: _____
 Permit #: _____
 Date of Inspection: _____

ITEM	DESCRIPTION
	Enter Y or N as appropriate. Enter N/A for any areas which are not applicable. Violations should be explained further in the narrative. Non-compliance with <u>underlined, bold, italicized</u> entries are candidates for level 1 violations. Non-compliance with bold, italicized entries are candidates for critical violations. Others are generally non-critical. Citations listed after each requirement are from OAC 252:520 unless otherwise specified.
Commercial Biomedical Waste Processing Facilities	
1	PERMIT CONDITIONS 1. Is the facility in compliance with all permit conditions, variances, etc? [Permit, 1-5] 2. Is the facility operated within the design standards approved in the permit? [19-5(a)]
2	ACCEPTABLE WASTES 1. <i>Does the facility have a procedure for excluding <u>hazardous</u> and other wastes which should not be processed?</i> [1-6 & 19-5(a)]
3	RADIATION 1. <i>Does the facility have a fixed radiation detection system to monitor incoming waste?</i> [19-5(b)] 2. Does the fixed radiation detection system detect sources as small as 0.25 millicuries Cs137? [19-5(b)] 3. <i>If the facility is a waste treatment facility do they have an interlock system which automatically stops charging when radiation is detected?</i> [19-5(b)] 4. Does the facility have a hand-held radiation detector? [19-5(b)] 5. <i>Does the facility have a Department approved procedure for handling wastes which bear radioactive materials?</i> [19-5(b)]
4	CONTINGENCY PLANS 1. <i>Does the facility have a procedure for safely storing unacceptable wastes until proper processing and disposal can be accomplished?</i> [19-5(a)] 2. <i>Does the facility have a procedure for responding to emergencies?</i> [19-5(a)] 3. <i>Is the facility operated by persons qualified by experience and training and according to recommended procedures?</i> [19-5(a)] 4. <i>Does the facility have a decontamination facility?</i> [19-5(a)] 5. <i>Does the facility have a contingency plan which provides for:</i> a. overpacking improper wastes and poorly packaged wastes? [19-5(c)] b. decontaminating vehicles and containers? [19-5(c)] c. safely storing improper wastes and poorly packaged wastes? [19-5(c)] 6. <i>Does the facility have contingency plans and emergency response agreements with local agencies?</i> [19-5(d)]
5	STORAGE 1. Does the facility provide refrigerated storage, even if only intended for emergencies? [19-5(e)] 2. Is the refrigerated storage area maintained at a temperature ≤ 45°F? [19-5(e)] 3. <i>Are wastes processed within the timelines specified in OAC 252:520-13-2(5)?</i> [19-5(e)]

Commercial Biomedical Waste Incinerators	
1	<p>PERMIT CONDITIONS</p> <ol style="list-style-type: none"> Is the facility in compliance with all permit conditions, variances, etc? [Permit, 1-5] Has the facility stopped accepting waste for more than 30 days without notifying the DEQ? If yes, the site is in final closure. Go to the closure requirements of the Solid Waste Processing Facility checklist. [3-14(b)]
2	<p>MULTI-CHAMBERED</p> <ol style="list-style-type: none"> <i>Is the incinerator multi-chambered?</i> [19-6(a)] <i>Is the incinerator designed to provide complete combustion for the wastes introduced?</i> [19-6(a)]
3	<p>TIME & TEMPERATURE</p> <ol style="list-style-type: none"> <i>During operation does the incinerator maintain a minimum temperature of 1400° F in the primary chamber for sufficient time to destroy biological activity in the wastes?</i> [19-6(b)] <i>During operation does the incinerator maintain a minimum temperature of 2000° F in the secondary chamber for a minimum residence time of two seconds beyond the time in the primary chamber?</i> [19-6(b)]
4	<p>INTERLOCKS</p> <ol style="list-style-type: none"> <i>Does the incinerator have automatic loading and protective interlocks which prevent charging of wastes when the secondary chamber temperatures are below 2000° F?</i> [19-6(c)] <i>In the event of low secondary chamber temperatures, does the incinerator have auxiliary burners which are capable, excluding the heat content of the wastes, of independently maintaining the secondary chamber at 2200° F until all wastes are completely combusted?</i> [19-6(c)]
5	<p>TESTS</p> <ol style="list-style-type: none"> Does the facility provide sample injection and collection ports to enable the Department to conduct periodic tests? [19-6(d)] <i>Does the facility periodically test their ash to determine if it is a RCRA hazardous waste?</i> [19-6(d)] Does the facility periodically visually inspect the ash and modify operating procedures if unburned material is found? [19-6(d)]
6	<p>MONITORING</p> <ol style="list-style-type: none"> <i>Does the facility perform continuous monitoring and recording for each of the following from monitors co-located upstream of the air pollution control devices:</i> [19-6(e)] <ol style="list-style-type: none"> waste feed fuel and combustion gas flows oxygen and carbon monoxide <i>Does the facility continuously monitor and record primary and secondary temperatures with instruments whose calibrated accuracy is 1.5% of full scale?</i> [19-6(e)] <ol style="list-style-type: none"> <i>Are these temperatures within $\pm 25^{\circ}F$?</i> [19-6(e)] <i>Does the facility perform monitoring and backup monitoring of the secondary chamber at or beyond the chamber exit?</i> [19-6(e)] Is the facility's monitoring equipment routine calibrated by an independent contractor? [19-6(e)] Does the facility provide the capability for the Department to connect its own monitoring or calibration test equipment? [19-6(e)] Does the facility maintain the monitoring records for at least two years? [19-6(e)] Does the facility immediately report all excursions from the operating parameters to the Department? [19-6(e)] <i><u>If more than 30 excursions occur in any calendar month, does the facility cease operations until such time as repairs are made and documented engineering analysis shows how the cause has been corrected?</u></i> [19-6(e)]
7	<p>RESIDUE DISPOSAL</p> <ol style="list-style-type: none"> <i>Is all residue generated by the facility disposed at a facility properly permitted to accept such waste?</i> [19-6(f)]

Financial Assurance Requirements for Commercial Facilities															
1	<p>FINANCIAL ASSURANCE Closure</p> <p>1. <i>Does the o/o have a detailed written estimate of closure costs?</i> [23-36] If yes, continue, otherwise go to 1.4</p> <p>a. <i>Do the closure cost estimates detail the cost of hiring a third party to perform closure?</i> [23-36 & 23-39(a)(4)]</p> <p>b. <i>Has the o/o adjusted closure costs for inflation no later than April 9 of each year?</i> [27A O.S. 2-10-701]</p> <p style="padding-left: 40px;">Previous costs: \$ _____ After inflation adjustment: \$ _____</p> <p>c. <i>Has the o/o increased closure cost estimates when changes in the closure plan or permit modifications increase the cost of closure?</i> [23-40(b) & 27A O.S. 2-10-701]</p> <p style="padding-left: 40px;">Previous costs: \$ _____ After adjustment: \$ _____</p> <p>2. <u>Has the o/o established financial assurance for closure of this site through an approved financial assurance mechanism?</u> [23-40(a) & 27A O.S. 2-10-701] If yes, what financial assurance mechanism(s) is(are) used?</p> <table style="width: 100%; border: none;"> <tr> <td style="padding-right: 10px;">Trust</td> <td style="padding-right: 10px;">Surety</td> <td style="padding-right: 10px;">Letter of</td> <td style="padding-right: 10px;">Insurance</td> <td style="padding-right: 10px;">State approved</td> <td style="padding-right: 10px;">Escrow</td> <td style="padding-right: 10px;">Local Government</td> </tr> <tr> <td style="padding-right: 10px;">Fund</td> <td style="padding-right: 10px;">Bond</td> <td style="padding-right: 10px;">Credit</td> <td style="padding-right: 10px;"></td> <td style="padding-right: 10px;">mechanism</td> <td style="padding-right: 10px;">Account</td> <td style="padding-right: 10px;">Test</td> </tr> </table> <p>3. Has the o/o revised the financial assurance mechanism to account for increases in closure costs based on inflation, changes to the closure plan, or permit modifications? [27A O.S. 2-10-701]</p>	Trust	Surety	Letter of	Insurance	State approved	Escrow	Local Government	Fund	Bond	Credit		mechanism	Account	Test
Trust	Surety	Letter of	Insurance	State approved	Escrow	Local Government									
Fund	Bond	Credit		mechanism	Account	Test									
Shared Services Incinerators															
1	<p>ACCEPTABLE WASTES</p> <p>1. <i>Does the facility have a procedure for excluding hazardous and other wastes which should not be processed?</i> [1-6 & 19-7(1)]</p>														
2	<p>CONTINGENCY PLANS</p> <p>1. <i>Does the facility have a procedure for safely storing unacceptable wastes until proper processing and disposal can be accomplished?</i> [19-7(1)]</p> <p>2. <i>Does the facility have a procedure for responding to emergencies?</i> [19-7(1)]</p> <p>3. <i>Is the facility operated within the design standards approved in the permit?</i> [19-7(1)]</p> <p>4. <i>Is the facility operated by persons qualified by experience and training and according to recommended procedures?</i> [19-7(1)]</p> <p>5. <i>Does the facility have a decontamination facility?</i> [19-7(1)]</p> <p>6. Does the facility have a contingency plan which provides for:</p> <p>a. <i>overpacking improper wastes and poorly packaged wastes?</i> [19-7(2)]</p> <p>b. <i>decontaminating vehicles and containers?</i> [19-7(2)]</p> <p>c. <i>safely storing improper wastes and poorly packaged wastes?</i> [19-7(2)]</p> <p>7. <i>Does the facility have contingency plans and emergency response agreements with local agencies?</i> [19-7(3)]</p>														
3	<p>STORAGE</p> <p>1. <i>Does the facility provide refrigerated storage, even if only intended for emergencies?</i> [19-7(4)]</p> <p>2. <i>Is the refrigerated storage area maintained at a temperature ≤ 45°F?</i> [19-7(4)]</p> <p>3. <i>Are wastes processed within the timelines specified in OAC 252:520-13-2(5)?</i> [19-7(4)]</p>														
Packaging and Transportation of Segregated Biomedical Waste for Transport to Commercial Biomedical Waste Processing Facilities															
1	<p>BIOMEDICAL WASTE PACKAGING</p> <p>1. <i>Is the biomedical waste packaged to facilitate safe waste handling in order to protect public health?</i> [19-9(a)]</p> <p>2. <i>Is the integrity of the packaging preserved through handling, storage, transportation and treatment to prevent spillage or dispersal of infectious or toxic agents into the environment from handling errors and foreseeable accidents?</i> [19-9(a)]</p> <p>3. <i>Are biomedical wastes prevented from being compacted?</i> [19-9(a)]</p> <p>4. <i>Is the biomedical waste contained from the point of origin up to the point at which it is no longer infectious or toxic?</i> [19-9(a)]</p> <p>5. <i>Are sharps packaged in puncture-proof containers?</i> [19-9(a)]</p>														

	<p>6. Are biomedical wastes destined for incineration packaged in combustible containers? [19-9(a)]</p> <p>7. <i>Does the generator, transporter and processing facility insure that all wastes are proper wastes which have been properly and safely packaged and transported?</i> [19-9(a)]</p>
2	<p>INFECTIOUS WASTE PACKAGING</p> <p>1. <i>Are the infectious components of biomedical wastes transported from the generation site placed in tear-resistant, red double plastic bags or approved alternate, and then placed in rigid or semi-rigid containers marked with the universal biological hazard symbol?</i> [19-9(b)]</p>
3	<p>CHEMICAL WASTE PACKAGING</p> <p>1. <i>Are the chemical components of biomedical waste transported from the site of generation placed in tightly sealed, leak-proof, shatter-proof containers which bear the appropriate international symbol for the type of hazard, and then either commingled with infectious wastes or placed into rigid or semi-rigid containers similarly marked before handling and transport?</i> [19-9(c)]</p> <p>2. <i>Are RCRA regulated hazardous wastes and explosives, unless permitted, excluded?</i> [19-9(c)]</p>
4	<p>CONTAINERS</p> <p>1. Are the biomedical wastes transported in closed and leak-proof containers? [19-9(d)]</p> <p>2. Are reusable containers cleaned and disinfected after each use? [19-9(d)]</p> <p>3. <i>Are the containers and vehicles marked and placarded with the owner's name, the universal biological hazard symbol and other appropriate chemical hazard symbols?</i> [19-9(d)]</p>
5	<p>TRANSPORTATION VEHICLES</p> <p>1. Are the transportation vehicles leak-proof, closed and secured? [19-9(e)]</p> <p>2. Are the transportation vehicles cleaned following leakage or spills? [19-9(e)]</p> <p>3. <i>Are the transportation vehicles refrigerated to a temperature of 45°F or less if containing the waste for more than 12 hours?</i> [19-9(e)]</p> <p>4. <i>Are the transportation vehicles cleaned and disinfected before use for any other purpose?</i> [19-9(e)]</p> <p>5. Are the transportation vehicles currently described to the Department for identification purposes? [19-9(e)]</p>
6	<p>BILLS OF LADING</p> <p>1. Does the transporter carry bills of lading from each generator? [19-9(f)]</p> <p>2. Do the bills of lading show the name, address and phone number of the generator, a description of the wastes, and the name of the generator's employee who is responsible for the generator's waste management? [19-9(f)]</p>
7	<p>CONTINGENCY PLANS</p> <p>1. <i>Does the transporter carry contingency plans for emergency situations?</i> [19-9(g)]</p> <p>2. <i>Does the transporter maintain these plans and bills of lading in such a manner that they are accessible to emergency responders?</i> [19-9(g)]</p> <p>3. <i>Is the driver trained for emergency response?</i> [19-9(g)]</p>
<p>Biomedical Waste Generators</p> <p>Items 1.1 & 1.2 are required for ALL biomedical waste generators</p> <p>Items 1.3 & 1.4 are required for generators of ≥ 60 lbs. of biomedical waste per month</p> <p>and recommended for generators of < 60 lbs. of biomedical waste per month</p>	
1	<p>GENERATOR RESPONSIBILITIES</p> <p>1. <i>Does the generator prevent the disposal of all quantities of untreated sharps in a MSWLF?</i> [27A 2-10-308.1]</p> <p>2. Does the generator prevent the disposal of other untreated, potentially infectious medical waste in a MSWLF or any receptacle or system designed to collect and transport solid waste to a MSWLF? [27A 2-10-308.1]</p> <p>a. <i>If no, does the generator generate at one physical location < 60 lbs. (27.2 kg) per month of untreated, potentially infectious medical waste (excluding sharps)?</i> [27A 2-10-308.1] Include the amount generated in the narrative.</p> <p>3. Does the generator of untreated biomedical waste that is to be transported from the facility where the waste is generated to a commercial biomedical waste processing facility or a shared services facility do the following:</p> <p>a. <i>identify</i> and properly label biomedical wastes and segregate the wastes from the remainder of the waste stream? [19-4(a)(1)]</p> <p>b. collect biomedical wastes at the point of origin and <i>package them in accordance with OAC 252:520-19-9?</i> [19-4(a)(2)]</p> <p>c. <i>safely handle packaged biomedical waste at the generator's facility to protect health care workers, patients and the public from accidental contact with biomedical wastes</i> [19-4(a)(3)]</p> <p>d. <i>provide a secure location for temporary storage of biomedical waste until waste haulers collect waste for transport off-site</i> [19-4(a)(4)]</p> <p>e. <i>collect, store, and transport contaminated sharps in specially designed sharps containers of rigid plastic.</i></p>

	<p style="text-align: center;">[19-4(a)(5)]</p> <p>4. Does the generator refrain from compacting packaged, untreated infectious waste? [19-4(b)]</p>
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