

MILITARY MUNITION CHECKLIST

MILITARY MUNITIONS WASTE DETERMINATION [3745-266-202]

1.	Is the military munition used for its intended purpose, including:	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	a. Use in training military personnel and munitions emergency response specialists (including training in proper destruction of unused propellant or other munitions)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	b. Use in research, development, testing and evaluation of military munitions, weapons or weapons systems?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	c. Recovery, collection, and on-range destruction of unexploded ordnance and munitions fragments during range clearance activities at active or inactive ranges?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
2.	Is an unused munition, or component therefore, being repaired, reused, recycled, reclaimed, disassembled, reconfigured, or otherwise subject to material recovery activities, unless such activities involve use constituting disposal as defined in OAC rule 3745-51-02, or burning for energy recovery as defined in OAC rule 3745-51-02 (C) (2)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	If the answer to any of the above questions (1a to 2) is yes , the military munition is not a waste.	

NOTE: Use for intended purpose does not include the on-range disposal or burial of unexploded ordnance and contaminants when the burial is not a result of product use.

3.	Has the unused military munition been:	
	a. Abandoned by being disposed of, burned, detonated (except during intended use as specified in OAC rule 3745-266-202 (A), incinerated, or treated prior to disposal?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	b. Removed from storage in a military magazine or other storage area for the purpose of being disposed of, burned or incinerated or treated prior to disposal?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	c. Deteriorated or damaged (e.g. the integrity of the munition is compromised by cracks, leaks or other damage) to the point that it cannot be put into serviceable condition, and cannot reasonably be recycled or used for other purposes?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	d. Declared a waste by an authorized military official?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
4.	Has a used or fired munition been:	
	a. Transported off range or from the site of use, where the site of use is not a range, for the purposes of storage, reclamation, treatment, disposal or treatment prior to disposal?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	b. Recovered, collected, and then disposed of by burial or land filling either on or off a range?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	If the answer to any of the above questions (3a to 3d, 4a, or 4b) is yes , the military munition is a waste.	

DESIGN & OPERATING STANDARDS FOR MILITARY MUNITIONS [3745-205-201, 3745-256-201]

5.	Are hazardous waste munitions and hazardous waste explosive storage units designed and operated with containment systems, controls, and monitoring that:	
	a. Minimize the potential for detonation or other means of release of hazardous waste, hazardous constituents, hazardous decomposition products, or contaminated run-off, to soil ground waste, surface water, and atmosphere?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	b. Provide a primary barrier, which may be a container (including a shell) or tank, designed to contain the hazardous waste?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	c. For waste stored outdoors, provide that the waste and containers will not be in standing precipitation?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

	d.	For liquid wastes, provide a secondary containment system that assures that any released liquids are contained and promptly detected and removed from the waste area, or vapor detection system that assures that any released liquids or vapors are promptly detected and an appropriate response taken (e.g., additional containment, such as over packing, or removal from the unit)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	e.	Provide monitoring and inspection procedures that assure the controls and containment systems are working as designed and that releases that may adversely impact human health or the environment are not escaping from the unit?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
6.	Are hazardous waste munitions and hazardous waste explosives stored under OAC rules 3745-205-200 to 3745-205-202 or 3745-256-200 to 3745-256-202 stored in:				
	a.	An earth-covered magazines that meet the conditions in OAC rule 3745-205-201(B)(1)(a) to (c) or 3745-256-201(B)(1)(a) to (c)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	b.	An above-ground magazines located and designed so as to minimize the propagation of an explosion to adjacent units and to minimize other effects of any explosion?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	c.	Outdoor or open storage areas located and designed so as to minimize the propagation of an explosion to adjacent units and to minimize other effects of any explosives?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	Is the answer to all the above questions (2a, 2b, 2c) no ?		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
7.	Are hazardous waste munitions and hazardous waste explosives stored in accordance with a standard operating procedure specifying the procedures to ensure safety, security and environmental protection?		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
<p><i>NOTE: If these procedures serve the same purpose as the security and inspection requirements of OAC rule 3745-54-14 or 3745-65-14, the preparedness and prevention procedures of OAC rules 3745-54-30 to 3745-54-37 or 3745-65-30 to 3745-65-37 and the contingency plan and emergency procedures requirements of OAC rules 3745-54-50 to 3745-54-56 or 3745-65-50 to 3745-65-56, then these procedures will be used to fulfill those requirements.</i></p>					
8.	Are hazardous waste munitions and hazardous waste explosives packaged to ensure safety in handling and storage?		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
9.	Are hazardous waste munitions and hazardous waste explosives inventoried at least annually?		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
10.	Are hazardous waste munitions and hazardous waste explosives and their storage units inspected and monitored as necessary to ensure explosives safety and to ensure that there is not migration of contaminants out of the unit?		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
TRANSPORTATION OF WASTE MILITARY MUNITIONS [3745-266-203]					
11.	Are non-chemical waste military munitions that are being transported and that exhibit a hazardous waste characteristic or are listed as hazardous waste:				
	a.	Not chemical agents or chemical munitions?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	b.	Transported from a military owned or operated installation to a military owned or operated treatment, storage or disposal facility?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	c.	Transported in accordance with the Department of Defense shipping controls applicable to the transport of military munitions?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
	d.	Transporter has provided oral notice to the Director within 24 hours after the time the transporter became aware of any loss or theft of the waste military munition or any failure to meet a condition of OAC rule 3745-266-203(A)(1)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
12.	Has the transporter submitted a written description to the Director within 5 days after the time the transporter became aware of any loss or theft of the waste military munitions or any failure to meet a condition of OAC rule 3745-266-203(A)(1)?		Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>

	If the answer to any of the questions above (1a to 2) is NO , the waste military munition is subject to OAC rules 3745-50, 51, 52, 53, 54 to 57, 65 to 69, 205, 266 and 270.	
13.	For military munitions not received by the receiving facility within 45 days the waste was shipped under OAC rule 3745-266-203(A)(1), did the owner or operator of a receiving facility report non-receipt of any waste military munitions to the Director within 5 days?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
STORAGE OF WASTE MILITARY MUNITIONS [3745-266-205]		
14.	Are the following conditions met for non-chemical waste military munitions that are being stored and that exhibit a hazardous waste characteristic or are listed as hazardous waste:	
a.	Not chemical agents or chemical munitions?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Subject to the jurisdiction of the Department of Defense Explosives Safety Board (DDESB)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
c.	Stored in accordance with the DDESB storage standards applicable to waste military munitions?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
d.	Within 90 days after the effective date of OAC rule 3745-266-205 or within 90 days after a storage unit is first used to store military munitions, whichever is later, did the owner or operator provide notice to the Director of the location of any waste storage unit used to store military munitions for which the conditional exemption is claimed?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
e.	The owner/operator of the waste has provided verbal notice to the Director within 24 hours after the time the transporter became aware of any loss or theft of the waste military munitions, or any failure to meet a condition of OAC rule 3745-266-203(A)(1)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
f.	The owner/operator of the waste has submitted a written description to the Director within 5 days after the time the owner/operator became aware of any loss or theft of the waste military munitions, or any failure to meet a condition of OAC rule 3745-266-203(A)(1)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
g.	The owner/operator inventories the waste military munitions at least annually?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
h.	The owner/operator inspects the waste military munitions at least quarterly with compliance with OAC rule 3745-266-205(A)(1)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
i.	Access to the stored waste military munitions is limited to appropriately trained and authorized personnel?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	If the answer to any of the question above (1a to 1i) is NO , the waste military munition is subject to OAC rules 3745-50, 51, 52, 53, 54 to 57, 65 to 69, 205, 266 and 270.	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
15.	Has the owner/operator notified the Director when a storage unit identified in OAC rule 3745-266-205(A)(1)(d) is/will no longer be used to store waste military munitions?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
<p><i>NOTE: Waste military munitions that are chemical agent or chemical munitions and that exhibit a hazardous waste characteristic or are listed as a hazardous waste are subject to the applicable regulatory requirements of ORC Chapter 3734 and the hazardous waste rules as defined in OAC rule 3745-50-10, and are <u>not</u> subject to the storage prohibition in OAC rule 3745-270-50.</i></p>		
CLOSURE AND POST-CLOSURE CARE OF MILITARY MUNITIONS [3745-205-202]		
16.	At closure of a magazine or unit which stored hazardous waste under OAC rules 3745-205-200 to 3745-205-202, has the owner or operator removed or decontaminated all waste residues, contaminated containment system components, contaminated subsoils, and structures and equipment contaminated with waste, and manage them as hazardous waste unless OAC rule 3745-51-03(D) applies?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
17.	Has the owner or operator, after taking reasonable efforts, not been able to practicably remove or decontaminate all subsoils?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

	If so,	
a.	Has the owner or operator closed the facility and performed post-closure care in accordance with the closure and post-closure requirements that apply to landfills?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>