



# NEMS ENVIRONMENTAL MANAGEMENT PROGRAM

<b>PROGRAM NAME:</b>	Medical Pathological Waste Management Program		
<b>SIGNIFICANT ENVIRONMENTAL ASPECT(S):</b> Medical Pathological Waste Management	<b>DOCUMENT NUMBER:</b>	EMS.EMP.06.2006.BALT	
	<b>DATE REVISED:</b>	11.21.2006	
	<b>REVISION NUMBER:</b>		
	<b>SUNSET DATE:</b>		
	<b>PROGRAM LEAD:</b>	Jean Clarke	

## SECTION 1 – PROGRAM DESCRIPTION

Management of medical waste is regulated under the State of Maryland implementing regulations set forth in COMAR 26.13.11, 26.13.12, and 26.13.13. "Special medical waste" means a solid waste that is composed of:

- (a) Anatomical material;
- (b) Blood;
- (c) Blood-soiled articles;
- (d) Contaminated material;
- (e) Microbiological laboratory waste; or
- (f) Sharps.

NIA's main medical pathogenic waste (MPW) come from the approximately 7,000 lbs. per year of animal carcasses generated, that is incinerated on site. NIDA sends the entirety of its MPW to the Phoenix Services Incinerator (now owned by Curtis Bay Energy) in Baltimore for disposition.

This Medical Pathological Waste Management Plan will guide NIH Baltimore in managing their MPW. Specially, the facility will focus their efforts on investigating options to reduce MPW through recycling.

## SECTION 2 – GOALS AND OBJECTIVES

<b>GOAL:</b>	<b>Performance Indicator(s):</b>		<b>Resource requirements:</b>
<i>Justification:</i>			
<b>A. Objective:</b> Investigate options for medpath waste container recycling for using SteriCycle system	<b>Performance Indicator(s):</b>	<b>Responsibility:</b> Jane Clarke	<b>Timeframe:</b>
<b>- Target/Milestone:</b>	<b>Performance Indicator(s):</b>	<b>Responsibility:</b>	<b>Timeframe:</b>

## SECTION 3 – PROGRAM DESCRIPTION, SIGNIFICANCE, IMPACTS AND REQUIREMENTS

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<b>REASON(S) FOR SIGNIFICANCE:</b>	<ul style="list-style-type: none"> <li>▪ This aspect has the potential to significantly impact the environment through human health impacts</li> <li>▪ This aspect represents a significant cost to NIH</li> <li>▪ This aspect is important to NIH's relationship to the local community and the public at large</li> </ul>
<b>POTENTIAL ENVIRONMENTAL/ ORGANIZATIONAL IMPACTS:</b>	<ul style="list-style-type: none"> <li>▪ Human health impact</li> <li>▪ Financial costs</li> <li>▪ Public image/community relations</li> </ul>
<b>LEGAL AND OTHER REQUIREMENTS:</b>	<ul style="list-style-type: none"> <li>▪ COMAR 10.06.06 - Communicable Disease Prevention - Handling, Treatment, and Disposal of Special Medical Waste</li> <li>▪ COMAR 26.13.11 - Special Medical Wastes</li> <li>▪ COMAR 26.13.12 - Standards Applicable to Generators of Special Medical Wastes</li> <li>▪ Occupational Health and Safety Act; 29 CFR 1910.1030 – Occupational Exposure to Bloodborne Pathogens</li> <li>▪ Clean Air Act; 40 CFR Part 60, Subparts Ec and Ce</li> <li>▪ Hazardous Materials Transportation Act (HMTA); 49 CFR Parts 171-180</li> <li>▪ Joint Commission on Accreditation of Healthcare Organizations (JCAHO) Guidelines</li> </ul>

**SECTION 4 – OPERATIONAL CONTROLS**

ACTIVITY(IES) THAT GIVES RISE TO ASPECT	CONTROL(S)	RESPONSIBLE PERSON	MONITORING	RECORDS	ACTION TAKEN IF CONTROL FAILS
Animal Surgery	<ul style="list-style-type: none"> <li>▪ Approved Animal Study Proposals (ASP)</li> <li>▪ CMS SOP Book</li> </ul>	▪	▪	▪	▪
Bio-containment (Levels 2 & 2 with "3 practices")	<ul style="list-style-type: none"> <li>▪ NIA/ NIDA safety orientation and annual refresher courses</li> <li>▪ PI Compliance Statement</li> </ul>	▪	▪	▪	▪
Carcass handling	<ul style="list-style-type: none"> <li>▪ CMS SOP Book</li> </ul>	▪	▪	▪	▪
Chemical, Biological and Radioactive Isotope Use, Storage, Disposal and Transportation	<ul style="list-style-type: none"> <li>▪ NIA/ NIDA safety orientation and annual refresher courses</li> <li>▪ PI Compliance Statement</li> </ul>	▪	▪	▪	▪
Human Tissue Pathology/Histology	▪	▪	▪	▪	▪
Medical-pathological	<ul style="list-style-type: none"> <li>▪ Terms of contract</li> </ul>	▪	▪	▪	▪

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waste handling				
<b>SECTION 5 – RELEVANT DOCUMENT(S)</b>				
<b>DOCUMENT NAME</b>		<b>LOCATION</b>		<b>RESPONSIBLE PERSON</b>
NIH Chemical Hygiene Plan				
NIH Manual Chapter 3034: Working with Hazardous Materials				
QuitLabs Contract				
NIH Manual Issuance 1340, NIH Occupational Safety and Health Management		<a href="http://www1.od.nih.gov/oma/manualchapters/management/1340/">http://www1.od.nih.gov/oma/manualchapters/management/1340/</a>		
NIH Manual Issuance 3040-2, Animal Care and Use in the Intramural Program		<a href="http://www1.od.nih.gov/oma/manualchapters/intramural/3040-2/">http://www1.od.nih.gov/oma/manualchapters/intramural/3040-2/</a>		
NIH Manual Issuance 3032, Waste Minimization and Management at NIH		<a href="http://www1.od.nih.gov/oma/manualchapters">http://www1.od.nih.gov/oma/manualchapters</a>		
NIH Manual Issuance 3035, Working Safely with Hazardous Biological Materials		<a href="http://www1.od.nih.gov/oma/manualchapters/intramural/3035/">http://www1.od.nih.gov/oma/manualchapters/intramural/3035/</a>		
NIH Bloodborne Pathogen Exposure Control Plan for Non-Hospital Personnel		<a href="http://www.nih.gov/od/ors/ds/pubs/exposure_control/">http://www.nih.gov/od/ors/ds/pubs/exposure_control/</a>		
Biosafety in Microbiological and Biomedical Laboratories (BMBL)		<a href="http://bmb1.od.nih.gov">http://bmb1.od.nih.gov</a>		
Decontamination and Sterilization Guidelines		<a href="http://dohs.ors.od.nih.gov/decontamination.htm">http://dohs.ors.od.nih.gov/decontamination.htm</a>		
NIH Waste Disposal Guide		<a href="http://orf.od.nih.gov/Environmental+Protection/Waste+Disposal/">http://orf.od.nih.gov/Environmental+Protection/Waste+Disposal/</a>		
Guideline for Review and Approval of Animal Study Proposals		<a href="http://oacu.od.nih.gov/ARAC/FinalDesigrev1202.pdf">http://oacu.od.nih.gov/ARAC/FinalDesigrev1202.pdf</a>		
<b>SECTION 6 – COMPETENCY OF RESPONSIBLE PERSONS</b>				
<b>NAME/TITLE</b>			<b>BASIS FOR COMPETENCE</b>	
Jane Clarke			Education and Training	
<b>SECTION 7 – AUTHORIZATION</b>				

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<b>NAME:</b>	
<b>SIGNATURE:</b>	
<b>DATE:</b>	

**DRAFT**

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