

**INTERPRETIVE GUIDANCE DOCUMENT 1002 - TABLE 1A**  
**Process Environmental Aspect Identification**

**JANUARY 2012**

Process Environmental Aspect Identification ( 110-66C Office)

**Process Name:** Mercury Repackaging Program

**Identification Completed By:** Rob Mathias

**Process Owners:** DLA Strategic Materials

**Date:** 3-28-2020

Review the process, list inputs and associated aspects. Determine the impact. Indicate if the aspect is regulated.

**Reg** (if applicable) = 2    **S**: Severity    **O**: Occurrence    **D**: Detectability

**RPN**: Risk Priority Number = Reg x S x O x D

Input	Aspect	Impact	Controls, BMPs, and Preventive Measures	Reg	S	O	D	RPN
Transferring Mercury from flask to MT container	Air Emissions	Hazardous Air pollutants	Maintain exhaust system and filters. Monitor air emissions	Y	5	1	1	10
Removing flasks from drums	Release to and/or disturbance of the land	Pollution, contamination, disturbance of plant or wildlife	Follow written procedures	Y	5	1	1	10
Transfer mercury from flask to MT container	Release to and/or disturbance of the land	Pollution, contamination, disturbance of plant or wildlife	Follow written procedures	Y	5	1	1	10
Disposable PPE, Empty Flasks, Filters and U151 waste	Hazardous Wastes	Degradation to land and groundwater quality	Follow written procedures	Y	4	1	1	8

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**INTERPRETIVE GUIDANCE DOCUMENT 1002 TABLE 1B  
Process Hazard Identification and Risk Assessment**

**JANUARY 2012**

Process Hazard Identification and Risk Assessment ( 110-66C Office)

**Process Name:** Mercury Repackaging

**Identification Completed By:** Rob Mathias

**Process Owners:** DLA Strategic Materials

**Date:** 3-28-2020

**S:** Severity    **O:** Occurrence    **D:** Detectability    **RPN:** Risk Priority Number = S x O x D

Hazard	Activity	Potential Accident	Controls, BMPs, and Preventive Measures	S	O	D	RPN
Fire	Storage, Weather	Equipment failure, Lightning storm	Fire Suppression System and fire alarm notification system	8	1	1	8
Electrical	Power tool usage	Electrocution, shock, fire	Inspection of electrical power tools before use.	8	1	1	8
Pinch Points	Daily production activity	Finger and hand injuries	Proper PPE, gloves . Not rushing	6	1	1	6
Strains	Heavy lifting and twisting	Extremities, back and neck injuries	BMP: Lifting techniques	6	1	1	6
Ergonomics	Repetitive motion	Strains and carpal tunnel	BMP: Rotate personnel	4	1	1	4

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**INTERPRETIVE GUIDANCE DOCUMENT 1002 - TABLE 1C  
 ESOH Risk Analysis Worksheet**

**JANUARY 2012**

ESOH Risk Analysis Worksheet

<b>Task, Input, Process Description</b>	<b>Environmental Aspect/ Safety and Occupational Health Risk</b>	<b>Environmental/Safety and Occupational Health Impact</b>	<b>Severity</b>	<b>Occurrence</b>	<b>Detectability</b>	<b>Regulatory Mission</b>	<b>RPN</b>	<b>Significance Rating Y/N</b>	<b>Comments Recommendations</b>	<b>Concur EMS MGR</b>
Transferring of Mercury from flask to MT containers	Air Emissions	Hazardous air pollutants	5	1	1	Y	10	N		
Removing flasks from drums	Releases to and /or disturbance of the land	Pollution, contamination, disturbance of plant or wildlife	5	1	1	Y	10	N		
Transferring of Mercury from flask to MT containers	Releases to and /or disturbance of the land	Pollution, contamination, disturbance of plant or wildlife	5	1	1	Y	10	N		
Disposable PPE, Empty Flasks, Filters and U151 waste	Hazardous Waste	Degradation to land and groundwater quality	4	1	1	Y	8	N		
Fire	Physical health and Safety Hazard	Degradation to property and human life	8	1	1	Y	8	N		
Electrical	Power tool usage	Electrocution, fire	8	1	1	Y	8	N		
Pinch Points	Daily Production Activity	Finger and hand injuries	6	1	1	N	6	N		
Strains	Heavy lifting and twisting	Extremities, back and neck injuries	6	1	1	N	6	N		
Ergonomics	Repetitive Motion	Sprains and carpal tunnel	4	1	1	N	6	N		

**COMMENTS/RECOMMENDATION**

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