RMM #500

Designated Substances Control Program

Final

Date: July / 03 Page: A-1

# Appendix A Designated Substance Assessment Form RECORD OF DESIGNATED SUBSTANCE ASSESSMENT

	SUBSTANCE:	Mercury
	DATE REVIEWED BY JHSC:	
COMPANY: Mo	cMaster University	
DEPARTMENT OPERATIO	DNS:	
Mechanical Engineering		
LOCATION(S):		
John Hodgins Engineering ra	m.183	
ASSESSMENT PREPARED	<u>) BY</u> :	
Ron Lodewyks		
<del></del>		
JOB TITLE:		
Technical Services Coordina	<u>tor</u>	
DATE PREPARED:	July 20, 2009	
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#### <u>APPLICATION – WORKSHEET 1: IS THE DESIGNATED SUBSTANCE PRESENT?</u>

1. Do any material safety data sheets from your suppliers indicate the presence of the substance?			
	YES x	NO	
	ent, indicate the department w ed per month or year:	here it is used, nature of the us	se (i.e. Direct or Indirect)
<u>Product Name</u>	<u>Department</u>	How Used? Direct/Indirect	<u>Quantity</u> <u>Per Month/Year</u>
Mercury	Mechanical Engineering	Storage	as required for filling manometers. it is not anticipated that new mercury will be required. used mercury is captured and stored ( for disposal if necessary)
	CONCL	USIONS	
Read statements and check a	pplicable box:		
No Assessme worksheet on	record. e.g. auditing purposes tivities have been identified w	you do not need to proceed furt	ther, you should retain this

#### <u>APPLICATION – WORKSHEET 2: IS WORKER EXPOSURE LIKELY?</u>

1.	In what form doe	es the s	substance ent	er the plant? liqu	id			
	Product title:	Mer	cury					
	Type of Containe	er:	Glass jars at thermomete these are co- plastic tray a locked cabin	rs, ntained by a and housed in a	Size of	Container:	4 x 500 ml 4	
2.	Is this form altered	ed duri					YES	NO x
	If YES, indicate a	altered	l form:					
3.	Is there a possibil workspace environment				into the		YES	NO x
	If YES, indicate t	the sta	ge of the ope	eration or areas w	here this	can occur:		
4.	If YES to Question exposed:	on 3, s	pecify the jo	b functions and a	pproxim	ate number	of employees who	might be
	J	Job Fu	ınction			Num	nber of Employees	S
5.	If YES to Question	on 3, i	ndicate how	workers could be Ingestion	exposed		in Absorption	
	Skin Contact	: [		Other			•	
6.	If NO to Question	n 3, is	there a likeli	hood of escape d	ue to leal	ks, accident	ts, etc.?	
	YES		NO	X				
7.	Are workers like	ly to b	e exposed?		YES		NO x	
CONCLUSIONS								
	e any activities/sit			osure by any rout	e is likely	<u>y?</u>		
YES		N	O x					
If NO, n	o further action is	neces	sary. Date	completed	Jı	uly 20, 200	9	
If YES,	an assessment is r	necessa	ary – <b>procee</b>	d to Section III.				
		-		•	-	-	measure which carry – <b>Proceed to So</b>	

#### ASSESSMENT – WORKSHEET 3: PROCESS DESCRIPTION

#### NAME OF PROCESS:

Process Flow	<b>Description</b>	<u>Likely</u>
		Exposure Yes/No
		Voc/No
		1 es/1vo
1.		
2.		
2.		
<u> </u>		
3.		
XX.		
		<u> </u>

#### ASSESSMENT – WORKSHEET 4: EXISTING CONTROLS

Process Flow Stage	Control Description	Problems/Recommendations
1	Engineering Controls:	
	Work Practices:	
	Hygiene Facilities and Practices:	
	Training Information:	
	Personal Protective Equipment	
	Emergency Procedures/Equipment	
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Process Flow Stage	Control Description Engineering Controls:	Problems/Recommendations
	Work Practices:	
	Hygiene Facilities and Practices:	
	Training Information:	
	Personal Protective Equipment	
	Emergency Procedures/Equipment	
	<u> </u>	<u> </u>
Process Flow Stage	Control Description Engineering Controls:	Problems/Recommendations
	Work Practices:	
	Hygiene Facilities and Practices:	
	Training Information:	
	Personal Protective Equipment	
	Emergency Procedures/Equipment	
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#### ASSESSMENT – WORKSHEET 4: EXISTING CONTROLS (cont.)

Process Flow Stage	Control Description Engineering Controls:	Problems/Recommendations
	Work Practices:	
	Hygiene Facilities and Practices:	
	Training Information:	
	Personal Protective Equipment	
	Emergency Procedures/Equipment	

#### ASSESSMENT – WORKSHEET 5: JOB EXPOSURE ANALYSIS

Process Flow Stage	Job Title	Total Number of Employees	Tasks Where Exposure Likely	Duration Hrs per Week	PPE Req'd to be Used	
2						

CONCLUSIONS
Jobs/tasks to be noted during walk-through survey:

#### ASSESSMENT – WORKSHEET 6: HEALTH EFFECTS

1.	Any reported health effects? If so, describe.
2.	Any current Medical Program? If so, describe.
3.	Previous exposure monitoring effects? If so, describe.
	CONCLUSIONS
Health e	effects known at this stage:  YES  NO
Further	information required: YES NO

#### ASSESSMENT - WORKSHEET 7: FLOOR PLAN

LOCATION: DATE:



L

DIMENSIONS: L W H

WORK STATION – enter number from job title – Worksheet 5

EXPOSURE SOURCE – enter number from Process Flow – Worksheet 3

 $\label{lem:venture} VENTILATION-enter\ L\ for\ local\ exhaust\ and\ G\ for\ general\ ventilation.$ 

### ASSESSMENT – WORKSHEET 8: WALK THROUGH

Evidence of Contamination:
Hygiene Facilities and Work Practices:
Ventilation Systems:
Storage Facilities:

#### ASSESSMENT – WORKSHEET 8: WALK THROUGH (cont.)

Dispensing Procedures:
Housekeeping:
Personal Protective Equipment:
Emergency Facilities / Procedures:
Emergency Facilities / Troccures.

#### ASSESSMENT – WORKSHEET 9: WALK THROUGH CONCLUSIONS

1(a).	Were any areas found where controls are required or where existing controls may require improvement?
	YES NO
1(b).	If YES, indicate the areas where the controls may be required or where existing controls may require improvement.
	AREA SUGGESTED IMPROVEMENTS
2(a).	Personal exposure monitoring is required: YES NO
2(b).	If YES, indicate where:
3.	Indicate any workers for whom medical testing and/or examinations may be required.

#### CONCLUSION – WORKSHEET 10: IS A CONTROL PROGRAM NECESSARY?

	CONCLUSION A: NO WORKER'S HEALTH MAY BE AFFECTED.
	CONCLUSION B: A WORKER'S HEALTH MAY BE AFFECTED.
OVERALL CONCLUSION	
A control program is necessary YES NO	
Improvements needed in existing program:	
DATE:	SIGNED: