

**Attachment 4: Selected Job Modules (OccIDEAS) – Chemist and Janitor**

**Note- these are two examples of job modules. See Attachment 5 for complete set of job modules and time burden box for this part of the questionnaire**

<b>CHEMIST (CH) MODULE</b>		
1	In this job, did you work in a lab? Yes No DK	[go to 2] [go to 2]
1.1	How many hours per week did you do work in this area? < 2 2 - 9 10 - 19 20 or more DK	
2	Did you work in the production area of a plant? Yes No DK	[go to 3] [go to 3]
2.1	How many hours per week did you do work in this area? < 2 2 - 9 10 - 19 20 or more DK	
2.2	Did you collect process samples in a production area? Yes No DK	
3	Did you use chlorinated solvents? Yes No DK	[go to 4] [go to 4]
3.1	How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK	
3.2	What chlorinated solvents did you use? Did you use...? (allow	

	multiple)  Trichloroethylene Dichloromethane Other chlorinated solvent DK	
4	Did you use benzene?  Yes No DK	[go to 5] [go to 5]
4.1	How many hours per week did you do this?  < 2 2 - 9 10 - 19 20 or more DK	
5	Did you use any other aromatic compounds, such as xylene or toluene?  Yes No DK	[go to 6] [go to 6]
5.1	How many hours per week did you do this?  < 2 2 - 9 10 - 19 20 or more DK	
6	Did you use formaldehyde or a formaldehyde solution?  Yes No DK	[go to 7] [go to 7]
6.1	How many hours per week did you do this?  < 2 2 - 9 10 - 19 20 or more DK	
7	Did you use dyes?  Yes No DK	[go to 8] [go to 8]
7.1	How many hours per week did you do this?	

		<p>&lt; 2</p> <p>2 - 9</p> <p>10 - 19</p> <p>20 or more</p> <p>DK</p>	
7.2	<p>Were these dyes usually in solid or liquid form?</p> <p>Solid</p> <p>Liquid</p> <p>Both</p> <p>DK</p>		<p>[go to 8]</p> <p>[go to 7.2.1]</p> <p>[go to 8]</p> <p>[go to 8]</p>
7.2.1	<p>What did these dyes contain? Did they contain...? (allow multiple)</p> <p>Benzene</p> <p>Toluene or xylene</p> <p>Trichloroethylene</p> <p>Formaldehyde</p> <p>Something else</p> <p>DK</p>		
8	<p>Were your hands ever immersed in a solvent, a solvent-based product, or fuel?</p> <p>Yes</p> <p>No</p> <p>DK</p>		
9	<p>Did you wear gloves while using solvents or solvent-based products?</p> <p>Yes</p> <p>No</p> <p>Not applicable - did not use solvents</p> <p>DK</p>		
10	<p>Did you clean your hands with a solvent, a solvent-based product or with fuel, such as gasoline?</p> <p>Yes</p> <p>No</p> <p>DK</p>		

<b>JANITOR (JA) MODULE</b>		
1	In this job, did you ever clean office areas? Yes No DK	[go to 2] [go to 2]
1.1	How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK	
2	In this job, did you ever polish furniture with liquid cleaning chemicals? Yes No DK	[go to 3] [go to 3]
2.1	How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK	
3	In this job, did you ever strip floors with liquid cleaning chemicals? Yes No DK	[go to 4] [go to 4]
3.1	How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK	
4	In this job, did you ever clean in a production area of the plant? Yes No DK	[go to 5] [go to 5]
4.1	How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK	
5	Did you ever work in an area where materials containing solvents,	

	<p>such as paints, varnishes, glues, or degreasers were used?</p> <p>Yes</p> <p>No</p> <p>DK</p>	<p>[go to 6]</p> <p>[go to 6]</p>
5.1	<p>How many hours per week did other workers perform this task while you were working in this area?</p> <p>&lt; 2</p> <p>2 - 9</p> <p>10 - 19</p> <p>20 or more</p> <p>DK</p>	
6	<p>In this job, did you ever repair or maintain equipment or property?</p> <p>Yes</p> <p>No</p> <p>DK</p>	<p>[go to 7]</p> <p>[go to 7]</p>
6.1	<p>How many hours per week did you do this?</p> <p>&lt; 2</p> <p>2 - 9</p> <p>10 - 19</p> <p>20 or more</p> <p>DK</p>	
6.2	<p>In this job, did you ever clean or degrease metal or plastic parts with chemicals?</p> <p>Yes</p> <p>No</p> <p>DK</p>	<p>[go to 6.3]</p> <p>[go to 6.3]</p>
6.2.1	<p>How many hours per week did you do this?</p> <p>&lt; 2</p> <p>2-9</p> <p>10-19</p> <p>20 or more</p> <p>DK</p>	
6.2.2	<p>When you cleaned metal or plastic parts, what did you use? Did you use...? (allow multiple)</p> <p>Trichloroethylene</p> <p>Gasoline or other fuels</p> <p>Benzene, toluene, or xylene</p> <p>Mineral spirits, stoddard solvent, turpentine or naphtha</p> <p>Paint thinner</p> <p>Any other solvent</p> <p>Any other degreaser</p> <p>DK</p>	
6.2.3	<p>Were the chemicals at room temperature or were they heated in a</p>	

	<p>tank, vat, or vapor degreaser? (allow multiple)</p> <p>Room temperature  Heated in vapor degreaser  Heated in vat or tank  Other  DK</p>	
6.2.4	<p>How did you clean the parts? Did you ...? (allow multiple)</p> <p>Wipe with rag/cloth  Wipe with brush  Put in basket and manually dipped into tank  Put in basket and dipped into tank using automated system  Put into tank or bucket with hands  Other  DK</p>	
6.2.5	<p>Was there a local exhaust system to remove the dust, fumes or vapors that was produced?</p> <p>Yes  No  DK</p>	
6.3	<p>Did other workers clean or degrease parts in the area where you worked?</p> <p>Yes  No  DK</p>	<p>[go to 6.4]  [go to 6.4]</p>
6.3.1	<p>How many hours per week did other workers perform this task while you were working in this area?</p> <p>&lt; 2  2-9  10-19  20 or more  DK</p>	
6.4	<p>In this job, did you ever handle or pump fuel?</p> <p>Yes  No  DK</p>	<p>[go to 7]  [go to 7]</p>
6.4.1	<p>How many hours per week did you do this?</p> <p>&lt; 2  2-9  10-19  20 or more  DK</p>	
7	<p>Were your hands ever immersed in a solvent, a solvent-based</p>	

	product, or fuel?  Yes No DK	
8	Did you wear gloves while using solvents or solvent-based products?  Yes No Not applicable - did not use solvents DK	
9	Did you clean your hands with a solvent, a solvent-based product or with fuel, such as gasoline?  Yes No DK	