**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**

|  |  |  |
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|  | **CHEMIST (CH) MODULE** |  |
| 1 | In this job, did you work in a lab? |  |
|  | Yes  |  |
|  | No | [go to 2] |
|  | DK | [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 | [go to 3] |
|  | DK | [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 | [go to 4] |
|  | DK | [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 | [go to 5] |
|  | DK | [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 | [go to 6] |
|  | DK | [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 | [go to 7] |
|  | DK | [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 | [go to 8] |
|  | DK | [go to 8] |
| 7.1 | How many hours per week did you do this? |  |
|  | < 2 |  |
|  | 2 - 9 |  |
|  | 10 - 19 |  |
|  | 20 or more |  |
|  | DK |  |
| 7.2 | Were these dyes usually in solid or liquid form? |  |
|  | Solid | [go to 8] |
|  | Liquid  | [go to 7.2.1] |
|  | Both | [go to 8] |
|  | DK | [go to 8] |
| 7.2.1  | What did these dyes contain? Did they contain…? (allow multiple) |  |
|  | Benzene |  |
|  | Toluene or xylene |  |
|  | Trichloroethylene |  |
|  | Formaldehyde |  |
|  | Something else |  |
|  | DK |  |
| 8 | Were your hands ever immersed in a solvent, a solvent-based product, or fuel?  |  |
|  | Yes |  |
|  | No |  |
|  | DK |  |
| 9 | Did you wear gloves while using solvents or solvent-based products? |  |
|  | Yes |  |
|  | No |  |
|  | Not applicable - did not use solvents |  |
|  | DK |  |
| 10 | Did you clean your hands with a solvent, a solvent-based product or with fuel, such as gasoline? |  |
|  | Yes |  |
|  | No |  |
|  | DK |  |

|  |  |  |
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|  | **JANITOR (JA) MODULE** |  |
| 1 | In this job, did you ever clean office areas? |  |
|  | Yes  |  |
|  | No | [go to 2] |
|  | DK | [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 | [go to 3] |
|  | DK | [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 | [go to 4] |
|  | DK | [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 | [go to 5] |
|  | DK | [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, such as paints, varnishes, glues, or degreasers were used?  |  |
|  | Yes  |  |
|  | No | [go to 6] |
|  | DK | [go to 6] |
| 5.1 | How many hours per week did other workers perform this task while you were working in this area? |  |
|  | < 2 |  |
|  | 2 - 9 |  |
|  | 10 - 19 |  |
|  | 20 or more |  |
|  | DK |  |
| 6 | In this job, did you ever repair or maintain equipment or property? |  |
|  | Yes  |  |
|  | No  | [go to 7] |
|  | DK  | [go to 7] |
| 6.1 | How many hours per week did you do this? |  |
|  | < 2 |  |
|  | 2 - 9 |  |
|  | 10 - 19 |  |
|  | 20 or more |  |
|  | DK |  |
| 6.2 | In this job, did you ever clean or degrease metal or plastic parts with chemicals? |  |
|  | Yes |  |
|  | No | [go to 6.3] |
|  | DK | [go to 6.3] |
| 6.2.1 | How many hours per week did you do this? |  |
|  | < 2 |  |
|  | 2-9 |  |
|  | 10-19 |  |
|  | 20 or more |  |
|  | DK |  |
| 6.2.2 | When you cleaned metal or plastic parts, what did you use? Did you use…? (allow multiple) |  |
|  | Trichloroethylene  |  |
|  | Gasoline or other fuels |  |
|  | Benzene, toluene, or xylene |  |
|  | Mineral spirits, stoddard solvent, turpentine or naphtha |  |
|  | Paint thinner |  |
|  | Any other solvent |  |
|  | Any other degreaser |  |
|  | DK |  |
| 6.2.3 | Were the chemicals at room temperature or were they heated in a tank, vat, or vapor degreaser? (allow multiple) |  |
|  | Room temperature |  |
|  | Heated in vapor degreaser |  |
|  | Heated in vat or tank |  |
|  | Other |  |
|  | DK |  |
| 6.2.4 | How did you clean the parts? Did you …? (allow multiple) |  |
|  | 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 |  |
| 6.2.5 | Was there a local exhaust system to remove the dust, fumes or vapors that was produced? |  |
|  | Yes |  |
|  | No |  |
|  | DK |  |
|  6.3 |  Did other workers clean or degrease parts in the area where you worked? |  |
|  | Yes |  |
|  | No | [go to 6.4] |
|  | DK | [go to 6.4] |
|  6.3.1 | How many hours per week did other workers perform this task while you were working in this area? |  |
|  | < 2 |  |
|  | 2-9 |  |
|  | 10-19 |  |
|  | 20 or more |  |
|  | DK |  |
| 6.4 | In this job, did you ever handle or pump fuel? |  |
|  | Yes |  |
|  | No | [go to 7] |
|  | DK | [go to 7] |
| 6.4.1 | How many hours per week did you do this? |  |
|  | < 2 |  |
|  | 2-9 |  |
|  | 10-19 |  |
|  | 20 or more |  |
|  | DK |  |
| 7 | Were your hands ever immersed in a solvent, a solvent-based 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 |  |