

## Appendix 3

### SAMPLE RISK ASSESSMENT FOR FUEL OIL VESSEL ENTRY

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|--|--|---|--|---|---------|------|
| Title:<br>Entry into a vessel for the purposes of inspection.<br>The vessel has been used for the storage of heavy fuel oil. |  | Assessed By: J Bloggs   |  | Date of Assessment: 1/4/7/07                            |         |      |
| Step 1<br>What are the hazards?  | Step 2<br>Who might be harmed and how?   | What are you already doing?   | Step 3:<br>What further action is necessary?   | Step 4:<br>How will you put the Assessment into action? |         |      |
| Hazard/Task or Situation   |  |   |  | Action by whom  | By when | Done |
| Vessel will contain flammable gas  | Staff who will prepare the vessel and the staff who will carry out the examination.<br>Also others in proximity to the work location may be affected.<br>The hazards exist during the preparation of the vessel for entry and during the subsequent examination. | Tests are carried out to ensure the vessel is properly earthed to discharge any static electricity.<br><br>The inside of the vessel is force ventilated with air from a portable air blower. Any flammable gas is vented to atmosphere away from any sources of ignition or incendive sparking. | Staff carrying out the examination and on standby are trained in confined space entry. |   |         |      |
| Residue left after the vessel has been drained may contain pockets of toxic gas  | —ditto—  | Oxygen level and toxic/flammable gas levels are measured prior to entry, from the outside using a calibrated instrument.<br>(Identify instrument and gases being tested for, i.e. oxygen deficiency,  |  |   |         |      |

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|  |         | combustible gas or toxic gas)<br>The operative entering the vessel carries a calibrated portable gas detector  |                               |  |  |  |
| Electrical heaters are located in the vessel. There is no natural lighting inside the vessel | —ditto— | Pipelines, incoming and outgoing are isolated by means of spectacle blinds. Power to the electrical heaters is isolated and the switchgear locked off. The padlock key is held with the vessel entry permit to work.<br><br>All temporary lighting is of a low voltage approved type |                               |  |  |  |
| Air flow is restricted   | —ditto— | The inside of the vessel is force ventilated with air from a portable air blower. Any flammable gas is vented to atmosphere away from any sources of ignition or incendive sparking.   |                               |  |  |  |
| Height is restricted   | —ditto— |  |                               |  |  |  |
| Skin can be contaminated by the hydrocarbon residue  | —ditto— | The drain valve is opened, the vessel drained of any remaining contents, and any residue disposed of appropriately.<br><br>The inside of the vessel is washed down from the outside using a high-pressure water jet and detergent.<br><br>Personal protective equipment is worn      |                               |  |  |  |
| Entry manhole is restricted in width and situated one and a half metres above ground level   | —ditto— | A platform is erected to afford easy access to the manhole   |                               |  |  |  |
| Rescue would be  | —ditto— | A standby man is always at   | Arrangements are in place for |  |  |  |

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| difficult.  |   | the entry to the vessel.<br>Two way communication is maintained by means of radio | contacting Emergency Services. (The telephone number of the emergency services is programmed into a mobile telephone held by the standby man) |  |  |  |
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| How will the findings of this assessment be communicated to staff involved in task: | Operatives have been involved in the risk assessment process and in the identification of risk control measures to develop the safe system of work.<br><b>Work will be carried out under a “confined space permit”</b>  |   |   |  |  |  |
|   |   |   |   |  |  |  |
| If the risk is significant, has it been entered into the Evotix Assure database?    | Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Evotix Assure Ref No:  |   |   |  |  |  |
|   |   |   |   |  |  |  |
| Step 5 Review Date:   | <ul style="list-style-type: none"> <li>▪ Review your assessment to make sure you are still improving, or at least not sliding back.</li> <li>▪ If there is a significant change in your workplace, remember to check your risk assessment and where necessary, amend it.</li> </ul> |   |   |  |  |  |