

RECORD OF INSPECTION FOR THE HEAT EXCHANGES

You are required to produce a full report that covers the examination of a heat exchanger. You must start by producing a method statement covering all aspects of the work, this will include details of all the equipment and tools you intend to use to carry out the work.

You are also required to produce a meaningful risk assessment where you need to consider all the hazards that you may encounter, and how they translate into risks associated with the work of opening up the exchanger for inspection and the reassembling of the unit, then detail the control measures you need to implement to manage those risks.

The information you need to gather for your report must include all of the following areas:-

- Title & date.
- Your name & group number.
- The type of exchanger.
- The physical size including all nozzles and ratings.
- Materials of construction.
- General external condition.
- Configuration & tube layout.
- General internal condition to include tube sheets, number of tube and there condition, gasket joint faces and internal shell condition.
- Produce a sketch detailing the number of passes.
- Any problems encounter during the disassembly and the re-assembly.

The report is to include meaningful photographs taken at different stages of the work, they should also include any areas of interest found during the inspection.

Finally, if you are in any doubts about any of the requirements of this exercise please ask, also note you do not commit to any lifts during the rigging exercises until they have been checked and sanctioned by the T.O. and please build this into a control measure for your risk assessment.