



PTW CHECKLIST - NO. 49		Title: Working with Nitrogen	
Owner: Capability Coordinator			
Approver: Capability Coordinator		Max Validity Period: 5 yrs	
Permit No.:		Date:	
Latest Rev	Date	Details	Authorised By
3.0	Jan 2016	Full revision	S Elliott

Other Checklists That May Be Relevant: [58](#)

HRA Checklists:

PREAMBLE:

Nitrogen is colourless and odourless. It displaces air in the environment. It is lethal and can kill a person quickly by deprivation of oxygen. When it is vaporised, it produces very cold temperatures (that can easily burn exposed skin and crack metal).

PREPARATION:

Tick when done

		Y	N	NA
1	Are all involved personnel aware of the hazards associated with Nitrogen. and appropriate control as per the MSDS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Barriers / signage are placed to prevent unintentional entry to the work area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	When using liquid N2, ensure a check has been made to ascertain that the receiving pipework is suitable for the expected temperatures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	If a gas test for hydrocarbon is required, ensure a gas detector that can detect hydrocarbon in an inert atmosphere is used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE: A suitable gas detector can be sourced via the MPS lab.