



<b>PTW CHECKLIST - NO. 60</b>		<b>Title: Entry onto Floating and Fixed Roof Tanks</b>	
<b>Owner:</b> Capability Coordinator			
<b>Approver:</b> Capability Coordinator		<b>Max Validity Period: 5 yrs</b>	
<b>Permit No.:</b>		<b>Date:</b>	
<b>Latest Rev</b>	<b>Date</b>	<b>Details</b>	<b>Authorised By</b>
7.0	Jan 2016	Full revision	S Elliott

Other Checklists That May Be Relevant: [45](#), [25](#)

HRA Checklists: [16](#)

Due to the difference in hazards and control for floating and fixed roof tanks this checklist is broken into two sections. Section 1 is Entry onto Floating Roof Tanks and Section 2 is Entry onto Fixed Roof Tanks.

**SECTION 1 – FLOATING ROOF TANKS**

**Note:** This checklist is intended to be used without a CSE Permit (ie no inlet or outlet blinds required) providing the items below have been considered. This checklist can be used for such tasks as seal inspections, mechanical and instrument repairs on the roof, lowering roof legs etc.

**Prior To Permit Issue:**

Tick when done

- Confirm the tank is within 100mm of its highest operating level and has been for at least four hours. The rundown to and from the tank must have ceased with inlet and outlet valves closed before access to the roof is permitted.

<b>Y</b>	<b>N</b>	<b>NA</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(Exception to this is EIL T-101. This is a crude oil tank so will not readily vaporise; therefore no static time is required. T-101 may also be entered within 200mm of safe fill height to allow for trucking flexibility prior to and after entry. Tank shall remain static during entry).

- The roof(s) to be accessed under these operating conditions are to be at or above the following levels:

T-101	13.222m
T-102	13.355m
T-103	17.000m
T-3500	13.200m
T-701	17.300m
T-702	16.800m
T-703	16.800m
T-704	17.700m
T-705	16.800m

Record the Tank Number and Actual Tank Level:

Tank: T.....	Tank: T.....
Level:.....	Level:.....

- Recovery Plan has been developed and approved to recover a person that may be unable to return to safe area. Ensure all personnel in the work party and recovery team have read and understood the Recovery Plan.

- Is this system one that may contain Mercury contamination? (Refer to [Site Mercury Register](#)) If the answer is yes, refer to PTW [Checklist 25](#)

- Continuous gas monitoring for hydrocarbons and oxygen (subsequent tests)

will be carried by each work party whilst on the roof.

**Prior To Commencing Task:**

Tick when done

6. Confirm all roof and ladder earthing straps connected.

<b>Y</b>	<b>N</b>	<b>NA</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. An initial gas test has been carried out for hydrocarbons, oxygen, H2S, and Benzene and recorded on this check sheet. This has been carried out from the top access platform without the need to access the roof. The tester(s) is lowered to the roof top for measurement (for tanks with wind girder walkways multiple tests around the tank shall be conducted).

8. An observer will be positioned at the top of the tank with a handheld radio.

<b>Y</b>	<b>N</b>	<b>NA</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. The Control Room Operator will be notified by the observer when there are people on the roof and when they are clear of the roof.

10. All persons accessing the tank will carry BA escape equipment whilst on the roof.

**Initial and Subsequent Gas Tests**

Date	Time	O2 (19.5-21.5%)	HC (0% LEL)	H2S (<0.5ppm)	Benzene (<0.5ppm)	Name/Initial

**SECTION 2 – FIXED ROOF TANKS**

**Prior To Permit Issue:**

Tick when done

11. For entry into T-6001 or T-8203 refer to [POH OP-01.47](#)

<b>Y</b>	<b>N</b>	<b>NA</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. To minimise venting, avoid roof entries during high temp periods. Consider pumping down tank level during access to roof.

<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------

**Prior To Commencing Task:**

Tick when done

13. Record Wind Strength and Direction before every tank roof entry (ie) after breaks.

<b>Y</b>	<b>N</b>	<b>NA</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Record of Wind Direction and Strength**

Date/Time:	Wind Direction:	Wind Strength (Knot):