



<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>
8.0	Feb 2018	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.

**Note 1:** Weather conditions which apply to both floating and fixed roof tanks are;

1. Wind speed to be  $\geq 5$  knots and  $< 25$  knots.
2. Entry onto tank roofs should not be conducted during electrical storms.

**Note 2:** This check list is not required for entry onto Pohokura Tanks; T-6001 or T-8203 as these are managed by POH OP-01.47

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

1. Confirm the tank is within 100mm of its safe fill height and has been static for at least four hours. The rundown to and from the tank must have ceased with inlet and outlet valves locked closed before access to the roof is permitted.

(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).

Record the Tank Number and Actual Tank Level:

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

2. 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.
3. Is this system one that may contain Mercury contamination? (Refer to [Site Mercury Register](#)) If the answer is yes, refer to PTW [Checklist 25](#)
4. Continuous gas monitoring for hydrocarbons and oxygen (subsequent tests) will be carried by each work party whilst on the roof.

**Prior To Commencing Task:**

5. Confirm all roof and ladder earthing straps connected.

Tick when done  

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

6. 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).

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

Tick when done  

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

8. 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.

9. 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 (<1% LEL)	H2S (<0.5ppm)	Benzene (<0.5ppm)	Name/Initial

**SECTION 2 – FIXED ROOF TANKS**

**Prior To Permit Issue:**

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

Tick when done  

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

**Prior To Commencing Task:**

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

Tick when done  

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

**Record of Wind Direction and Strength**

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