

Attached are entry permits for the Foxtrot V1 and V2 sewage tanks. As you can see the tanks were tested in May 2008 and were not fit for entry due to excessive H₂S and CO readings. The tanks had been tested for three days prior to this with a similar result. After a discussion it was decided that we should put 5 litres of TRIPLE 7 Odour Control into each tank and leave it for 48 hours before we test them again and as you can see from the test results on the following Monday, the tanks were fit for entry.

Paul Lemin (Thales Permit Controller) and CPOMT Fletcher (RAN) witnessed the process. It is my belief that if this system had used TRIPLE 7 Odour Control prior to docking or continuously as part of a program, we would not have had the delays or the risk involved in cleaning these tanks.

Please feel free to contact me if you need any more information regarding this project.

Regards,

Peter Phelps
Manager

CONFINED SPACE PERMIT


No. 0201

Date	Start Time	Finish Time
1-5-08	10 30	20 30
Vessel Name	Location	
HMAS PERTH	FOXTROT V 1	

Check only if answer is yes:

- Are lines carrying material to or from compartment blanked off or removed?
- Are equipment power sources tagged in the off position?
 Mechanical Electrical
- Residue or sludge in confined space?
- Respiratory Protection Required? (if yes, state type) _____
- Gas Level Test Details:

Combustibles (%LEL)	0 — couldn't get reading
Hydrogen Sulphide (H2S PPM)	98 PPM
Carbon Monoxide (CO PPM)	—
Oxygen (O2%)	—

Gas Monitor	MULTIPRO	Calibration Date:	10-3-08
Serial No.	30066/64539	Next Calibration Date:	10-9-08
Daily Test Time:	0700	Daily Test Date:	1 5 08
Operator Name (Print):	E. SMITH	Signature:	

6. Protective Equipment Required
- | | |
|---|---|
| <input type="checkbox"/> Respiratory Protection | <input type="checkbox"/> Forced Ventilation |
| <input type="checkbox"/> Safety Harness | <input checked="" type="checkbox"/> Sentry |

7. Chemicals to be used in confined space.
(Details to be completed as no other chemicals than those listed are permitted)

8. Authorisation: _____ 9. Signature: _____

Vessel Representative
Permit Controller
Supervisor

NOT FOR ENTRY VALID

This Permit shall be valid for the day of application only that is shown above.

137426

CONFINED SPACE PERMIT


No. 0202

Date	Start Time	Finish Time
1-5-08	0930	1930
Vessel Name	Location	
HMAS PERTH	FOXTROT V2	

Check only if answer is yes:

- Are lines carrying material to or from compartment blanked off or removed?
- Are equipment power sources tagged in the off position?
 Mechanical Electrical
- Residue or sludge in confined space?
- Respiratory Protection Required? (if yes, state type) _____
- Gas Level Test Details:

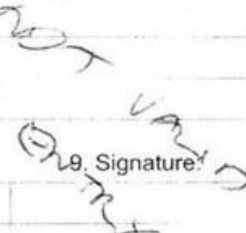
Combustibles (%LEL)	—
Hydrogen Sulphide (H2S PPM)	25 PPM
Carbon Monoxide (CO PPM)	>300 PPM CO
Oxygen (O2%)	—

Gas Monitor	MULTIPRO	Calibration Date:	10-3-08
Serial No.	30066/64534	Next Calibration Date:	10-9-08
Daily Test Time:	0700	Daily Test Date:	1-5-08
Operator Name (Print):	E. SMITH	Signature:	

6. Protective Equipment Required
- | | |
|---|---|
| <input type="checkbox"/> Respiratory Protection | <input type="checkbox"/> Forced Ventilation |
| <input type="checkbox"/> Safety Harness | <input type="checkbox"/> Sentry |

7. Chemicals to be used in confined space.
(Details to be completed as no other chemicals than those listed are permitted)

8. Authorisation:

Vessel Representative	Signature: 
Permit Controller	
Supervisor	

This Permit shall be valid for the day of application only that is shown above. 137426

CONFINED SPACE PERMIT


No. 0206

Date	Start Time	Finish Time
2-5-08	0900	1900
Vessel Name		Location
HMAS PERTH		CONTRACT U1

Check only if answer is yes:

- Are lines carrying material to or from compartment blanked off or removed?
- Are equipment power sources tagged in the off position?
 Mechanical Electrical
- Residue or sludge in confined space?
- Respiratory Protection Required? (if yes, state type) _____
- Gas Level Test Details:

Combustibles (%LEL)	-
Hydrogen Sulphide (H2S PPM)	> 30 PPM
Carbon Monoxide (CO PPM)	-
Oxygen (O2%)	-

Gas Monitor	MULTIPRO	Calibration Date:	10-3-08
Serial No.	30066/64539	Next Calibration Date:	10-9-08
Daily Test Time:	0700	Daily Test Date:	2-5-08
Operator Name (Print):	E. SMITH	Signature:	

6. Protective Equipment Required
- | | |
|---|---|
| <input type="checkbox"/> Respiratory Protection | <input type="checkbox"/> Forced Ventilation |
| <input type="checkbox"/> Safety Harness | <input type="checkbox"/> Sentry |

7. Chemicals to be used in confined space.
(Details to be completed as no other chemicals than those listed are permitted)

~~NO ENTRY~~ ~~NOT VALID~~

8. Authorisation:	9. Signature:
Vessel Representative	
Permit Controller	
Supervisor	

This Permit shall be valid for the day of application only that is shown above.

137426

CONFINED SPACE PERMIT


No. 0207

Date	Start Time	Finish Time
2-5-08	0905	1905
Vessel Name	Location	
HMS PERTH	FOXTROT V2	

Check only if answer is yes:

- Are lines carrying material to or from compartment blanked off or removed?
- Are equipment power sources tagged in the off position?
 Mechanical Electrical
- Residue or sludge in confined space?
- Respiratory Protection Required? (if yes, state type) _____
- Gas Level Test Details:

Combustibles (%LEL)	-
Hydrogen Sulphide (H2S PPM)	-
Carbon Monoxide (CO PPM)	> 280 PPM
Oxygen (O2%)	-

Gas Monitor	MULTIPRO	Calibration Date:	10-3-08
Serial No.	30066/64539	Next Calibration Date:	10-9-08
Daily Test Time:	0700	Daily Test Date:	2-5-08
Operator Name (Print):	E-SMITH	Signature:	

6. Protective Equipment Required
- | | |
|---|---|
| <input type="checkbox"/> Respiratory Protection | <input type="checkbox"/> Forced Ventilation |
| <input type="checkbox"/> Safety Harness | <input type="checkbox"/> Sentry |

7. Chemicals to be used in confined space.
(Details to be completed as no other chemicals than those listed are permitted)

NOT VALID FOR ENTRY

8. Authorisation:	9. Signature:
Vessel Representative	
Permit Controller	
Supervisor	

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CONFINED SPACE PERMIT


No. 0213

Date	Start Time	Finish Time
5-5-08	0800	1800
Vessel Name	Location	
HMAS PERTH	FOXTROT V1	

Check only if answer is yes:

- 1. Are lines carrying material to or from compartment blanked off or removed?
- 2. Are equipment power sources tagged in the off position?
 Mechanical Electrical
- 3. Residue or sludge in confined space?
- 4. Respiratory Protection Required? (if yes, state type) _____
- 5. Gas Level Test Details:

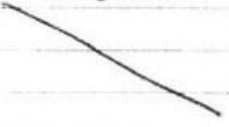
Combustibles (%LEL)	00%
Hydrogen Sulphide (H2S PPM)	02 PPM
Carbon Monoxide (CO PPM)	00 PPM
Oxygen (O2%)	20.7%

Gas Monitor	MULTIPRO	Calibration Date:	10-3-08
Serial No.	30066/64539	Next Calibration Date:	10-9-08
Daily Test Time:	0700	Daily Test Date:	5-5-08
Operator Name (Print):	E. SMITH	Signature:	

- 6. Protective Equipment Required
 - Respiratory Protection
 - Safety Harness
 - Forced Ventilation
 - Sentry

7. Chemicals to be used in confined space.
(Details to be completed as no other chemicals than those listed are permitted)

ENTRY TOO SMALL
NO ENTRY

8. Authorisation:	9. Signature:
Vessel Representative	
Permit Controller	
Supervisor	

This Permit shall be valid for the day of application only that is shown above.

CONFINED SPACE PERMIT


No. 0214

Date	Start Time	Finish Time
5-5-08	0805	1805
Vessel Name	Location	
HMAS PERTH	FOXTROT V2	

Check only if answer is yes:

- 1. Are lines carrying material to or from compartment blanked off or removed?
- 2. Are equipment power sources tagged in the off position?
 Mechanical Electrical
- 3. Residue or sludge in confined space?
- 4. Respiratory Protection Required? (if yes, state type) _____
- 5. Gas Level Test Details:

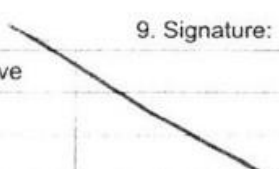
Combustibles (%LEL)	00%
Hydrogen Sulphide (H2S PPM)	05 PPM
Carbon Monoxide (CO PPM)	00 PPM
Oxygen (02%)	20.9%

Gas Monitor	MULTIPRO	Calibration Date:	10-3-08
Serial No.	30066/64533	Next Calibration Date:	10-9-08
Daily Test Time:	0700	Daily Test Date:	5-5-08
Operator Name (Print):	E-SHITH	Signature:	

6. Protective Equipment Required
- Respiratory Protection
 - Safety Harness
 - Forced Ventilation
 - Sentry

7. Chemicals to be used in confined space.
(Details to be completed as no other chemicals than those listed are permitted)

ENTRY TOO SHALL
NO ENTRY

8. Authorisation:	9. Signature:
Vessel Representative	
Permit Controller	
Supervisor	

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