

Permit No: 4201

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: CAF
 Location of work on vessel: DINER HALL
 Date: 11-6-07
 Outside contractors
 Company: ASD CONTRACTORS
 Contractors name: _____
 Responsible person: CAROLINE B. MILLER

2. DESCRIPTION OF WORK TO BE UNDERTAKENASD INDUSTRIES & PROPELLER**3. CONFINED SPACE**

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc.)
 Mechanical/electrical drives
 Sludges/deposits/waste
 Harmful materials
 Electrical services
 Warning notices, locks, or tags have been fitted to means of isolation
 Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
 Ventilation of space
 Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level:
 Testing time: _____ Date: _____
 Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):

Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
 Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
 With an air purifying (non-air-supplied) respiratory protective device.
 Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
 A water hose run to job site and tested.
 Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 Power leads not draped across pipelines or access ways.
 Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
 Coatings stripped to minimise fire risks.
 Need for firewatcher.
 Portable fire extinguisher at hand.
 Any J.S.A. identified and observed.
 Adjacent spaces checked.
 Isolate fire zones (if applicable).
 Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
 J.S.A. followed (if applicable).
 Other personnel verbally advised.
 Other hazards identified and isolated.
 All moving machinery close to work area shut down or safeguarded.
 Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
 Any electrical or other hazards identified.
 Portable power leads/equipment safe to use.
 Isolate and tag radio/satellite communications.
 J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS**a) USE OF CHEMICAL AGENTS (Details to be completed)**

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): Alan Porritt
0118 560 455
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: As Above

- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area.

Measure ticked below have been implemented:

- Warning notices/barricades are in position.
 Special precautions (ie vessel's/contractors equipment) _____
 Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or lifeline/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: SCBA

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____

Permit Open (Time): 1425

Master/Chief Engineer/Mate: _____

Date: 11-6-07**9. WORK COMPLETED/SUSPENDED**

All persons have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies: _____

10. SIGN OUT PERMIT

Responsible Person Signature: _____

Permit Close (Time): _____

All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: _____

Date: 11-6-07

Permit No: 4202

Tag No: _____

P&O Maritime Services Vessel Permit to Work

Distribution

White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: P+O
 Location of work on vessel: ER
 Date: 12-26-27
 Outside contractors
 Company: TB
 Contractors name: Jan H...
 Responsible person: Don H...

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Repairs to CPP

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (Nil in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____

Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

- a) USE OF CHEMICAL AGENTS** (Details to be completed)
 No chemical agents other than those listed below may be taken into the confined space: _____
- b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS**
 The following arrangements have been made:
 Stand-by person(s) are (identify): _____
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: _____
 Rescue and emergency procedures are understood and have been posted.
- c) OTHER CONTROL MEASURES**
 Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:
 Warning notices/barricades are in position.
 Special precautions (ie vessel's/contractors equipment) _____
 Port requirements complied with.
- d) PERSONAL PROTECTIVE EQUIPMENT**
 The personal protective equipment ticked below shall be worn, (specify details where appropriate):
 Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or lifeline/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: B. M. H.
 Permit Open (Time): 15:20
 Master/Chief Engineer/Mate: Don H...
 Date: 12-26-27

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: B. M. H.
 Permit Close (Time): 15:20
 All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: Don H...
 Date: 12-24-27

Permit No: 4203

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: CSTRD
 Location of work on vessel: Wat lab
 Date: 12-24-07
 Outside contractors
 Company: TG
 Contractors name: C. Grant
 Responsible person: _____

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

620 outlets (Electrical)

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (Nil in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____

- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radio/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)
 No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____

Permit Open (Time): 10:35

Master/Chief Engineer/Mate: P. Grant

Date: 12-24-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: _____

Permit Close (Time): 11:11

All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: _____

Date: 12-24-07

Permit No: 4204

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: P+O
 Location of work on vessel: A/C Plant
 Date: 19-4-07
 Outside contractors
 Company: K&C
 Contractors name: Allan Cooper
 Responsible person: _____

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Remove A/C Plant
Hot Work

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (Nil in details and results of the tests)

- Safe oxygen level:
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):

Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable). Zone 4
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used. Cont. EP / A/C Comp
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radio/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)
 No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:
 Stand-by person(s) are (identify): 6 Burgess
Cooper
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: _____

Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:
 Warning notices/barricades are in position.
 Special precautions (ie vessel's/contractors equipment) _____
 Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):
 Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or lifeline/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____
 Permit Open (Time): 0930
 Master/Chief Engineer/Mate: Ruthard
 Date: 19-4-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

List continuing deficiencies: _____

10. SIGN OUT PERMIT

Responsible Person Signature: 2000
 Permit Close (Time): _____
 All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft/overboard.
 Master/Chief Engineer/Mate: Ruthard
 Date: 19-4-07

Permit No: 4205

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: P+O
 Location of work on vessel: A/C Flat
 Date: 19-04-07
 Outside contractors
 Company: T.B.
 Contractors name: Dimit Geiger
 Responsible person: _____

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Hot work on Ship's Side in A/C Flat

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/its not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform. Zone 4

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): ANOTHER
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessels/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____
 Permit Open (Time): 05:35
 Master/Chief Engineer/Mate: [Signature]
 Date: 19-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies: _____

10. SIGN OUT PERMIT

Responsible Person Signature: _____
 Permit Close (Time): 12:5
 All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: [Signature]
 Date: 19.4.07

Permit No: 4206

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: Vessel
 Location of work on vessel: Deck
 Date: 19-04-07
 Outside contractors
 Company: TG Elec
 Contractors name: _____
 Responsible person: Carroll

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Welding

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
 Mechanical/electrical drives
 Sludges/deposits/waste
 Harmful materials
 Electrical services
 Warning notices, locks, or tags have been fitted to means of isolation
 Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
 Ventilation of space
 Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENTThe test equipment has been calibrated and the atmosphere has been tested for: *(fill in details and results of the tests)*

- Safe oxygen level:
 Testing time: _____ Date: _____
 Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):

Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
 Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
 With an air purifying (non air-supplied) respiratory protective device.
 Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
 A water hose run to job site and tested.
 Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 Power leads not draped across pipelines or access ways.
 Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
 Coatings stripped to minimise fire risks.
 Need for firewatcher.
 Portable fire extinguisher at hand.
 Any J.S.A. identified and observed.
 Adjacent spaces checked.
 Isolate fire zones (if applicable).
 Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
 J.S.A. followed (if applicable).
 Other personnel verbally advised.
 Other hazards identified and isolated.
 All moving machinery close to work area shut down or safeguarded.
 Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
 Any electrical or other hazards identified.
 Portable power leads/equipment safe to use.
 Isolate and tag radar/satellite communications.
 J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS**a) USE OF CHEMICAL AGENTS (Details to be completed)**

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: _____
 Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
 Special precautions (ie vessel's/contractors equipment) _____
 Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: Supplied by Contractor
 Air purifying respiratory protective devices:
 Safety harness and/or safety line or lifeline/rescue line:
 Eye protectors:
 Hand protection:
 Safety boots:
 Protective clothing:
 Hearing protectors:
 Safety helmets:
 Other:

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____

Permit Open (Time): 0745Master/Chief Engineer/Mate: SSVDate: 19-04-07**9. WORK COMPLETED/SUSPENDED**

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: _____

Permit Close (Time): 1600

All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: RWSDate: 19-04-07

Permit No: 4207

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: P+O
 Location of work on vessel: 1 R 4 Stone Supply
 Date: 19-04-07
 Outside contractors
 Company: _____
 Contractors name: TG
 Responsible person: T Grant

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

Safe oxygen level:
 Testing time: _____ Date: _____

Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):
 Testing time: _____ Date: _____

Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____

Continuous monitoring for atmosphere contaminants required
 Continuous monitoring flammable gas detector
 The atmosphere is safe for entry under the conditions ticked below:
 With a supplied-air respiratory protective device.
 With an air purifying (non air-supplied) respiratory protective device.
 Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: [Signature]
 Permit Open (Time): 1000
 Master/Chief Engineer/Mate: [Signature]
 Date: 19-04-07

9. WORK COMPLETED/SUSPENDED

All persons have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]
 Permit Close (Time): 1000
 All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: [Signature]
 Date: 19-04-07

Permit No: 4208

Tag No:

P&O Maritime Services

Vessel Permit to Work

Distribution
White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV
Work requested by: P+O
Location of work on vessel: ENGINE ROOM
Date: 20-04-07
Outside contractors
Company: TB
Contractors name: ...
Responsible person: Russell Wilson

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Repairs to work machinery

3. CONFINED SPACE

- The items ticked below have been isolated or made safe:
- Pipelines (water, steam, gas, etc)
 - Mechanical/electrical drives
 - Sludges/deposits/waste
 - Harmful materials
 - Electrical services
 - Warning notices, locks, or tags have been fitted to means of isolation
 - Radiation services

a) PURGING AND VENTILATION

- Purging and ventilation measures listed below have been implemented:
- Purging of space
 - Ventilation of space
 - Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

- The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)
- Safe oxygen level:
Testing time: _____ Date: _____
 - Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):
Testing time: _____ Date: _____
 - Flammable atmosphere (give % LEL)
Testing time: _____ Date: _____
 - Continuous monitoring for atmosphere contaminants required
 - Continuous monitoring flammable gas detector
- The atmosphere is safe for entry under the conditions ticked below:
- With a supplied-air respiratory protective device.
 - With an air purifying (non air-supplied) respiratory protective device.
 - Without a respiratory protective device.

4. HOT WORK

- The precautions ticked below must be observed:
- Area clean and free of all readily combustible materials.
 - A water hose run to job site and tested.
 - Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 - Power leads not draped across pipelines or access ways.
 - Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
 - Coatings stripped to minimise fire risks.
 - Need for firewatcher.
 - Portable fire extinguisher at hand.
 - Any J.S.A. identified and observed.
 - Adjacent spaces checked.
 - Isolate fire zones (if applicable).
 - Greater than 500 meters from Platform.

Zone 11

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

- a) **USE OF CHEMICAL AGENTS** (Details to be completed)
No chemical agents other than those listed below may be taken into the confined space: _____
- b) **STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS**
The following arrangements have been made:
 Stand-by person(s) are (identify): _____
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: _____
 Rescue and emergency procedures are understood and have been posted.
- c) **OTHER CONTROL MEASURES**
Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:
 Warning notices/barricades are in position.
 Special precautions (ie vessels/contractors equipment) _____
 Port requirements complied with.
- d) **PERSONAL PROTECTIVE EQUIPMENT**
The personal protective equipment ticked below shall be worn, (specify details where appropriate):
 Supplied-air respirators: _____
 Air purifying respiratory protective device: _____
 Safety harness and/or safety line or lifeline/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: [Signature]
Permit Open (Time): 0700
Master/Chief Engineer/Mate: [Signature]
Date: 20-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]
Permit Close (Time): 1630
All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
Master/Chief Engineer/Mate: [Signature]
Date: 20-04-07

Permit No: 4209

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White: Original person seeking permit
- Pink: Retain on bridge
- Yellow: Chief Engineer/Control Room
- Blue: Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: P+O
 Location of work on vessel: A/C 267
 Date: 22-04-07
 Outside contractors
 Company: K&C
 Contractors name: Allen Cooper
 Responsible person: Bob Burford

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Removal of old A/C unit
Hot works

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (N in details and results of the tests)

- Safe oxygen level:
Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):

Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable). Zone 4
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): Supp
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____

Permit Open (Time): 0700

Master/Chief Engineer/Mate: R. Wilson

Date: 22-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies: _____

10. SIGN OUT PERMIT

Responsible Person Signature: _____

Permit Close (Time): 1935

All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: _____

Date: 2000-07

Permit No: 4210

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV P20
 Work requested by: Green Room
 Location of work on vessel: 20-06-07
 Date: 20-06-07
 Outside contractors
 Company: TIB
 Contractors name: Allen Ballott
 Responsible person: Daniel Grogan

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Installing Surge Tank
Hot Work

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

Safe oxygen level: _____
 Testing time: _____ Date: _____

Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____

 Testing time: _____ Date: _____

Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform. Zone 10

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radio/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measures ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____

Permit Open (Time): 07:15

Master/Chief Engineer/Mate: _____

Date: 20-06-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: _____

Permit Close (Time): _____

All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: JABCOY

Date: 20/6/07

Permit No: 4211

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: P+P
 Location of work on vessel: Galley
 Date: 20-06-07
 Outside contractors
 Company: _____
 Contractors name: T.B. Peter Clark
 Responsible person: _____

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Repair in Galley

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

Safe oxygen level: _____
 Testing time: _____ Date: _____

Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____

Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: P. Clark

Permit Open (Time): 20-06-07 07:15

Master/Chief Engineer/Mate: P. Clark

Date: 20-06-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: _____

Permit Close (Time): _____

All personnel have exited confined space, covered all hot work and equipment is safe to be used or has been tagged off and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: 4-38 p.m.

Date: 20-06-07

Permit No: 4212

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution
White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV P+D
 Work requested by: _____
 Location of work on vessel: Fore Deck/A/C Plat
 Date: 20-04-07
 Outside contractors
 Company: Hobart Marine Coatings
 Contractors name: Adam Spratt
 Responsible person: Wayne Britton

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Painting

3. CONFINED SPACE

The items ticked below have been isolated or made safe:
 Pipelines (water, steam, gas, etc)
 Mechanical/electrical drives
 Sludges/deposits/waste
 Harmful materials
 Electrical services
 Warning notices, locks, or tags have been fitted to means of isolation
 Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:
 Purging of space
 Ventilation of space
 Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: *(fill in details and results of the tests)*
 Safe oxygen level: _____
 Testing time: _____ Date: _____
 Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____
 Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
 Continuous monitoring for atmosphere contaminants required
 Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

With a supplied-air respiratory protective device.
 With an air purifying (non air-supplied) respiratory protective device.
 Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:
 Area clean and free of all readily combustible materials.
 A water hose run to job site and tested.
 Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 Power leads not draped across pipelines or access ways.
 Electrical trace on pipes located. Hot work is not permissible inside this space.
 Coatings stripped to minimise fire risks.
 Need for firewatcher.
 Portable fire extinguisher at hand.
 Any J.S.A. identified and observed.
 Adjacent spaces checked.
 Isolate fire zones (if applicable).
 Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

Tag System used.
 J.S.A. followed (if applicable).
 Other personnel verbally advised.
 Other hazards identified and isolated.
 All moving machinery close to work area shut down or safeguarded.
 Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

Harness supplied and safe to use.
 Any electrical or other hazards identified.
 Portable power leads/equipment safe to use.
 Isolate and tag radar/satellite communications.
 J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:
 Stand-by person(s) are (identify): Jon Wellman
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: _____

Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:
 Warning notices/barricades are in position.
 Special precautions (ie vessels/contractors equipment) _____

Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):
 Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or Heline/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: [Signature]
 Permit Open (Time): 0730
 Master/Chief Engineer/Mate: [Signature]
 Date: 20-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: _____
 Permit Close (Time): 1530
 All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: [Signature]
 Date: 20-04-07

Permit No: 4214

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: VESSEL
 Location of work on vessel: AIR CON -
 Date: 20-4-07
 Outside contractors
 Company: TG ELECTRIC
 Contractors name: _____
 Responsible person: _____

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Electrical

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (TW in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/its not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measures ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT *Supplied by Contractor*

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____
 Permit Open (Time): 0815
 Master/Chief Engineer/Mate: SGW
 Date: 20-4-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies: _____

10. SIGN OUT PERMIT

Responsible Person Signature: _____
 Permit Close (Time): 14:55
 All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft/overboard.
 Master/Chief Engineer/Mate: _____
 Date: _____

Permit No: 4215

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: S/S SURVIVAL
 Work requested by: P.T.O.
 Location of work on vessel: No. 1 Fuel Tank
 Date: 20-6-07
 Outside contractors
 Company: VEOLIA
 Contractors name: _____
 Responsible person: L. HARREX

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

External No. 1 Fuel Tank
VALVING

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
 Mechanical/electrical drives
 Sludges/deposits/waste
 Harmful materials
 Electrical services
 Warning notices, locks, or tags have been fitted to means of isolation
 Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
 Ventilation of space
 Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level: Continuous 20.7
 Testing time: Continuous Date: 20-6-07
 Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____

Testing time: _____ Date: 20-6-07

- Flammable atmosphere (give % LEL)

Testing time: Continuous Date: 20-6-07

- Continuous monitoring for atmosphere contaminants required
 Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
 With an air purifying (non air-supplied) respiratory protective device.
 Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
 A water hose run to job site and tested.
 Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 Power leads not draped across pipelines or access ways.
 Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
 Coatings stripped to minimise fire risks.
 Need for firewatcher.
 Portable fire extinguisher at hand.
 Any J.S.A. identified and observed.
 Adjacent spaces checked.
 Isolate fire zones (if applicable).
 Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
 J.S.A. followed (if applicable).
 Other personnel verbally advised.
 Other hazards identified and isolated.
 All moving machinery close to work area shut down or safeguarded.
 Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
 Any electrical or other hazards identified.
 Portable power leads/equipment safe to use.
 Isolate and tag radio/satellite communications.
 J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS**a) USE OF CHEMICAL AGENTS (Details to be completed)**

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): None - Time out
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: None
 Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
 Special precautions (ie vessel's/contractors equipment) _____
 Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or lifeline/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: A. Miller

Permit Open (Time): 11:00 am

Master/Chief Engineer/Mate: J.A. Sym

Date: 20-6-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies: _____

10. SIGN OUT PERMIT

Responsible Person Signature: X [Signature]

Permit Close (Time): 15:40

All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: [Signature]

Date: 20-26-07

Permit No: 4216

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution
White: Original person seeking permit
Pink: Remain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV
Work requested by: P+O
Location of work on vessel: A/C 16T
Date: 21-04-07
Outside contractors
Company: K+C
Contractors name: John Burgess
Responsible person: Allen Cooper

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Install A/C Unit

3. CONFINED SPACE

- The items ticked below have been isolated or made safe:
- Pipelines (water, steam, gas, etc)
 - Mechanical/electrical drives
 - Sludges/deposits/waste
 - Harmful materials
 - Electrical services
 - Warning notices, locks, or tags have been fitted to means of isolation
 - Radiation services

a) PURGING AND VENTILATION

- Purging and ventilation measures listed below have been implemented:
- Purging of space
 - Ventilation of space
 - Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

- The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)
- Safe oxygen level: _____
Testing time: _____ Date: _____
 - Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
Testing time: _____ Date: _____
 - Flammable atmosphere (give % LEL)
Testing time: _____ Date: _____
 - Continuous monitoring for atmosphere contaminants required
 - Continuous monitoring flammable gas detector

- The atmosphere is safe for entry under the conditions ticked below:
- With a supplied-air respiratory protective device.
 - With an air purifying (non air-supplied) respiratory protective device.
 - Without a respiratory protective device.

4. HOT WORK

- The precautions ticked below must be observed:
- Area clean and free of all readily combustible materials.
 - A water hose run to job site and tested.
 - Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 - Power leads not draped across pipelines or access ways.
 - Electrical trace on pipes located. Hot work is not permissible inside this space.
 - Coatings stripped to minimise fire risks.
 - Need for firewatcher.
 - Portable fire extinguisher at hand.
 - Any J.S.A. identified and observed.
 - Adjacent spaces checked.
 - Isolate fire zones (if applicable).
 - Greater than 500 meters from Platform.
- Zone 4

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

- a) **USE OF CHEMICAL AGENTS** (Details to be completed)
No chemical agents other than those listed below may be taken into the confined space: _____
- b) **STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS**
The following arrangements have been made:
 Stand-by person(s) are (identify): Allen Cooper
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: _____
 Rescue and emergency procedures are understood and have been posted.
- c) **OTHER CONTROL MEASURES**
Smoking is banned in the confined space and adjoining area. Measures ticked below have been implemented:
 Warning notices/barricades are in position.
 Special precautions (ie vessel's/contractors equipment) _____
 Port requirements complied with.
- d) **PERSONAL PROTECTIVE EQUIPMENT**
The personal protective equipment ticked below shall be worn. (specify details where appropriate):
 Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or lifeline/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: [Signature]
Permit Open (Time): 0730
Master/Chief Engineer/Mate: [Signature]
Date: 21-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]
Permit Close (Time): 01400
All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
Master/Chief Engineer/Mate: [Signature]
Date: 21-4-07

Permit No: 4217

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV P+O
 Work requested by: Propeller
 Location of work on vessel: 206-04-07
 Date: _____
 Outside contractors
 Company: ASD Diving
 Contractors name: Ken & Frank
 Responsible person: Sean Kubitzke

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Prop Inspection

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (Nil in details and results of the tests)

- Safe oxygen level:
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the working point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: [Signature]
 Permit Open (Time): 1305
 Master/Chief Engineer/Mate: [Signature]
 Date: 20-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies: _____

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]
 Permit Close (Time): 1620
 All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: [Signature]
 Date: 20-04-07

Permit No: 4218

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: SSV PLO
 Work requested by: _____
 Location of work on vessel: Engine Room
 Date: 21-04-07
 Outside contractors
 Company: _____
 Contractors name: Rus Helan
 Responsible person: Ben Nider

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Machinery Repair in ER

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: *(Nil in details and results of the tests)*

- Safe oxygen level
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):

 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/are not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measures ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: B. M. Nider
 Permit Open (Time): 0700
 Master/Chief Engineer/Mate: Rus
 Date: 21-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: B. M. Nider
 Permit Close (Time): 1610
 All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: Rus
 Date: 21-04-07

Permit No: 4219

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: P+O
 Location of work on vessel: C/Deck Room
 Date: 21-04-07
 Outside contractors
 Company: _____
 Contractors name: TIB
 Responsible person: Janet Geiger

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Welding Cutting Grinding

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

Safe oxygen level _____
 Testing time: _____ Date: _____

Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____

Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Jetable fire zones (if applicable). Zone 10
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): Allan Bollette
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area.

Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Part requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: [Signature]

Permit Open (Time): 0700

Master/Chief Engineer/Mate: [Signature]

Date: 21-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies: _____

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]

Permit Close (Time): 1530

All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: [Signature]

Date: 21-04-07

Permit No: 4220

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
 Pink: Retain on bridge
 Yellow: Chief Engineer/Control Room
 Blue: Master copy book

1. DETAILS

Vessel's name: SSV P+O
 Work requested by: Sub E2 EAW Intake
 Location of work on vessel: 21-24-07
 Date: TB
 Outside contractors: _____
 Company: _____
 Contractors name: Mark Fobin
 Responsible person: Pete Clarke

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Remove Ladder Cover

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
 Mechanical/electrical drives
 Sludges/deposits/waste
 Harmful materials
 Electrical services
 Warning notices, locks, or tags have been fitted to means of isolation
 Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
 Ventilation of space
 Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
 Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____

Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
 Continuous monitoring for atmosphere contaminants required
 Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
 With an air purifying (non air-supplied) respiratory protective device.
 Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
 A water hose run to job site and tested.
 Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 Power leads not draped across pipelines or access ways.
 Electrical trace on pipes located. Hot work is not permissible inside this space.
 Coatings stripped to minimise fire risks.
 Need for firewatcher.
 Portable fire extinguisher at hand.
 Any J.S.A. identified and observed.
 Adjacent spaces checked.
 Isolate fire zones (if applicable).
 Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
 J.S.A. followed (if applicable).
 Other personnel verbally advised.
 Other hazards identified and isolated.
 All moving machinery close to work area shut down or safeguarded.
 Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
 Any electrical or other hazards identified.
 Portable power leads/equipment safe to use.
 Isolate and tag radar/satellite communications.
 J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS**a) USE OF CHEMICAL AGENTS (Details to be completed)**

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: _____
 Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
 Special precautions (ie vessels/contractors equipment) _____
 Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or lifeline/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: P. Clarke

Permit Open (Time): 2700

Master/Chief Engineer/Mate: PJ

Date: 21-24-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: P. Clarke

Permit Close (Time): 11-55

All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: PJ

Date: 21-24-07

Permit No: 4221

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: P+O
 Location of work on vessel: Ops Room + EX-Fish Trenching
 Date: 21-04-07
 Outside contractors
 Company: T3
 Contractors name: Joan Agnis
 Responsible person: C Staker

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

A/C SW Pipe Repair

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

Zone 6 & 11

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): Lang Webb
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessels/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: [Signature]
 Permit Open (Time): 0730
 Master/Chief Engineer/Mate: [Signature]
 Date: 21-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]
 Permit Close (Time): 1530
 All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: [Signature]
 Date: 21-04-07

Permit No: 4222

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: SSV P+O
 Work requested by: Eric Dick Winkler
 Location of work on vessel: 21-04-07
 Date: _____
 Outside contractors: _____
 Company: T3
 Contractors name: _____
 Responsible person: Ben Miller

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Repair Hydraulic Motor

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (Nil in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: K. B. Miller
 Permit Open (Time): 1030
 Master/Chief Engineer/Mate: Paul
 Date: 21-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: K. B. Miller
 Permit Close (Time): 1610
 All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: Paul
 Date: 21-04-07

Permit No: 4223

Tag No: _____

P&O Maritime Services Vessel Permit to Work

Distribution

White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: S/SURUTU
 Work requested by: P.O.
 Location of work on vessel: NO 5 & 14.1 TANK TIE-IN
 Date: 21.4.07
 Outside contractors
 Company: SILVER CROWN
 Contractors name: _____
 Responsible person: J. BOYCE

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space:

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): J. Boyce, T. Hargrave
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: Radio
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measures ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: J. Boyce
 Permit Open (Time): 8:00 AM
 Master/Chief Engineer/Mate: _____
 Date: 21.4.07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: J. Boyce
 Permit Close (Time): 1:00 PM
 All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: J. Boyce
 Date: 21.4.07

Permit No: 4224

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution
White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV
Work requested by: Pao
Location of work on vessel: dry stack
Date: 21-4-07
Outside contractors
Company: T.B.
Contractors name: _____
Responsible person: RCS

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Cutting at 9000-vent.

3. CONFINED SPACE

The items ticked below have been isolated or made safe:
 Pipelines (water, steam, gas, etc)
 Mechanical/electrical drives
 Sludges/deposits/waste
 Harmful materials
 Electrical services
 Warning notices, locks, or tags have been fitted to means of isolation
 Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:
 Purging of space
 Ventilation of space
 Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)
 Safe oxygen level: _____
Testing time: _____ Date: _____
 Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
Testing time: _____ Date: _____
 Flammable atmosphere (give % LEL)
Testing time: _____ Date: _____
 Continuous monitoring for atmosphere contaminants required
 Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:
 With a supplied-air respiratory protective device.
 With an air purifying (non air-supplied) respiratory protective device.
 Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:
 Area clean and free of all readily combustible materials.
 A water hose run to job site and tested.
 Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 Power leads not draped across pipelines or access ways.
 Electrical trace on pipes located. Hot work is/its not permissible inside this space.
 Coatings stripped to minimise fire risks.
 Need for firewatcher.
 Portable fire extinguisher at hand.
 Any J.S.A. identified and observed.
 Adjacent spaces checked.
 Isolate fire zones (if applicable).
 Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

Tag System used.
 J.S.A. followed (if applicable).
 Other personnel verbally advised.
 Other hazards identified and isolated.
 All moving machinery close to work area shut down or safeguarded.
 Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

Harness supplied and safe to use.
 Any electrical or other hazards identified.
 Portable power leads/equipment safe to use.
 Isolate and tag radar/satellite communications.
 J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) **USE OF CHEMICAL AGENTS** (Details to be completed)
No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:
 Stand-by person(s) are (identify): _____
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: _____
 Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:
 Warning notices/barricades are in position.
 Special precautions (ie vessel's/contractors equipment) _____
 Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):
 Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or lifeline/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).
Responsible Person Signature: [Signature]
Permit Open (Time): _____
Master/Chief Engineer/Mate: SSV
Date: 21-4-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.
 List continuing deficiencies: _____

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]
Permit Close (Time): _____
All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
Master/Chief Engineer/Mate: [Signature]
Date: 21-04-07

Permit No: 4225

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: SSV P40
 Work requested by: _____
 Location of work on vessel: A/C Flat
 Date: 22-04-07
 Outside contractors
 Company: K & C
 Contractors name: Babi Burgess
 Responsible person: Alan Cooper

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Installation of A/C
Hot Work

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

A) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

A) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

Safe oxygen level: _____
 Testing time: _____ Date: _____

Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____

Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

Zone 4
8 & 11

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space:

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____

Permit Open (Time): 0700

Master/Chief Engineer/Mate: _____

Date: 22-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: _____

Permit Close (Time): 1745

All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: _____

Date: 22-04-07

Permit No: 4226

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
 Pink: Retain on bridge
 Yellow: Chief Engineer/Control Room
 Blue: Master copy book

1. DETAILS

Vessel's name: SSV P+O
 Work requested by: Engine Room & Fore Deck
 Location of work on vessel: 22.04.07
 Date: T.B
 Outside contractors Company: Ban Miller
 Contractors name: Russel Hutton
 Responsible person: _____

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

3 AHU Repair
Windows Repair

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
 Mechanical/electrical drives
 Sludges/deposits/waste
 Harmful materials
 Electrical services
 Warning notices, locks, or tags have been fitted to means of isolation
 Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
 Ventilation of space
 Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
 Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
 Continuous monitoring for atmosphere contaminants required
 Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
 With an air purifying (non air-supplied) respiratory protective device.
 Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
 A water hose run to job site and tested.
 Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 Power leads not draped across pipelines or access ways.
 Electrical trace on pipes located. Hot work is not permissible inside this space.
 Coatings stripped to minimise fire risks.
 Need for firewatcher.
 Portable fire extinguisher at hand.
 Any J.S.A. identified and observed.
 Adjacent spaces checked.
 Isolate fire zones (if applicable).
 Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
 J.S.A. followed (if applicable).
 Other personnel verbally advised.
 Other hazards identified and isolated.
 All moving machinery close to work area shut down or safeguarded.
 Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
 Any electrical or other hazards identified.
 Portable power leads/equipment safe to use.
 Isolate and tag radar/satellite communications.
 J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS**a) USE OF CHEMICAL AGENTS (Details to be completed)**

No chemical agents other than those listed below may be taken into the confined space:

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: _____
 Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/baricades are in position.
 Special precautions (ie vessel/contractors equipment) _____
 Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or Helme/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: [Signature]
 Permit Open (Time): 0700
 Master/Chief Engineer/Mate: [Signature]
 Date: 22.04.07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]
 Permit Close (Time): 1745
 All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: [Signature]
 Date: _____

Permit No: 4227

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: SSV P+O
 Work requested by: _____
 Location of work on vessel: 104 Stalk
 Date: 22-06-07
 Outside contractors Company: TB
 Contractors name: _____
 Responsible person: Stacey Gee

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Ballast Pipes
Hot Work!

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____

Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

Zone 5

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space:

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): Allen Bellitt
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel/contractors equipment) _____
- PPE requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, specify details where appropriate:

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: [Signature]

Permit Open (Time): 0700

Master/Chief Engineer/Mate: Ruf

Date: 22-06-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]

Permit Close (Time): 1700

All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: _____

Date: _____

Permit No: 4228

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV P+O
 Work requested by: Accommodation Cabin
 Location of work on vessel: 22-04-07
 Date: TB
 Outside contractors
 Company: Bailey Griers
 Contractors name: Bailey Griers
 Responsible person: Bailey Griers

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Booth Renovation

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc.)
 Mechanical/electrical drives
 Sludges/deposits/waste
 Harmful materials
 Electrical services
 Warning notices, locks, or tags have been fitted to means of isolation
 Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
 Ventilation of space
 Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level:
 Testing time: _____ Date: _____
 Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):

Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)

Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
 Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
 With an air purifying (non air-supplied) respiratory protective device.
 Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
 A water hose run to job site and tested.
 Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 Power leads not draped across pipelines or access ways.
 Electrical trace on pipes located. Hot work is not permissible inside this space.
 Coatings stripped to minimise fire risks.
 Need for firewatcher.
 Portable fire extinguisher at hand.
 Any J.S.A. identified and observed.
 Adjacent spaces checked.
 Isolate fire zones (if applicable).
 Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
 J.S.A. followed (if applicable).
 Other personnel verbally advised.
 Other hazards identified and isolated.
 All moving machinery close to work area shut down or safeguarded.
 Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
 Any electrical or other hazards identified.
 Portable power leads/equipment safe to use.
 Isolate and tag radar/satellite communications.
 J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS**a) USE OF CHEMICAL AGENTS (Details to be completed)**

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: _____
 Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
 Special precautions (ie vessels/contractors equipment) _____
 Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or lifeline/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: Bailey Griers

Permit Open (Time): 0700

Master/Chief Engineer/Mate: RWJ

Date: 22-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: X

Permit Close (Time): 1530

All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: RWJ

Date: 22-04-07

Permit No: 4229

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: SSV P+O
 Work requested by: Green Room
 Location of work on vessel: Green Room
 Date: 22-04-07
 Outside contractors
 Company: _____
 Contractors name: Allen IB
 Responsible person: Daniel Geiger

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Sewage Tank Installation
Hot Work

3. CONFINED SPACE

- The items ticked below have been isolated or made safe:
- Pipelines (water, steam, gas, etc)
 - Mechanical/electrical drives
 - Sludges/deposits/waste
 - Harmful materials
 - Electrical services
 - Warning notices, locks, or tags have been fitted to means of isolation
 - Radiation services

4) PURGING AND VENTILATION

- Purging and ventilation measures listed below have been implemented:
- Purging of space
 - Ventilation of space
 - Continuous ventilation of space required

a) ATMOSPHERIC TEST REQUIREMENT

- The test equipment has been calibrated and the atmosphere has been tested for: (All in details and results of the tests)
- Safe oxygen level:
 Testing time: _____ Date: _____
 - Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):

 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

- The atmosphere is safe for entry under the conditions ticked below:
- With a supplied-air respiratory protective device.
 - With an air purifying (non air-supplied) respiratory protective device.
 - Without a respiratory protective device.

4. HOT WORK

- The precautions ticked below must be observed:
- Area clean and free of all readily combustible materials.
 - A water hose run to job site and tested.
 - Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 - Power leads not draped across pipelines or access ways.
 - Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
 - Coatings stripped to minimise fire risks.
 - Need for firewatcher.
 - Portable fire extinguisher at hand.
 - Any J.S.A. identified and observed.
 - Adjacent spaces checked.
 - Isolate fire zones (if applicable).
 - Greater than 500 meters from Platform.

Zona 10

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)
 No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

- The following arrangements have been made:
- Stand-by person(s) are (identify): Alex Crowther
 - Alternative to stand-by (specify arrangements): _____
 - Communications arrangements: _____
 - Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

- Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:
- Warning notices/barricades are in position.
 - Special precautions (ie vessel's/contractors equipment) _____
 - Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

- The personal protective equipment ticked below shall be worn, (specify details where appropriate):
- Supplied-air respirators: _____
 - Air purifying respiratory protective devices: _____
 - Safety harness and/or safety line or lifeline/rescue line: _____
 - Eye protectors: _____
 - Hand protection: _____
 - Safety boots: _____
 - Protective clothing: _____
 - Hearing protectors: _____
 - Safety helmets: _____
 - Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____
 Permit Open (Time): 0715
 Master/Chief Engineer/Mate: Russ
 Date: 22-04-07

9. WORK COMPLETED/SUSPENDED

All personnel have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

List continuing deficiencies: _____

10. SIGN OUT PERMIT

Responsible Person Signature: _____
 Permit Close (Time): 1600
 All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: Russ
 Date: 22-04-07

Permit No: 4230

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

1165

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: 33
 Work requested by: Tony
 Location of work on vessel: Deck
 Date: 11/04/07
 Outside contractors
 Company: Tony
 Contractor's name: Tony
 Responsible person: Tony

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (Nil in details and results of the tests)

- Safe oxygen level: _____
Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
Testing time: _____ Date: _____

Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radio/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: [Signature]
 Permit Open (Time): 09:20
 Master/Chief Engineer/Mate: [Signature]
 Date: 22-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]
 Permit Close (Time): 14:50
 All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: [Signature]
 Date: 22-04-07

Permit No: 4231

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SINGAPORE SURVEYOR
 Work requested by: POW / CSIRO
 Location of work on vessel: SHIP'S SIDE STAIRWELL & ER
 Date: 22-04-07
 Outside contractors: _____
 Company: AYRUC GROUP
 Contractors name: MATTHEW BOND & BEN SHAW
 Responsible person: MATTHEW BOND

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

WELDING & CRIBBIT in A/C ROOM
& PIPEWORK in ER TOWER.

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (Nil in details and results of the tests)

- Safe oxygen level:
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):

Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand. WATER
- Any J.S.A. identified and observed.
- Adjacent spaces checked. ZONES 4, 6 & 11.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: BY VOICE TO MASTER in + CONTROL ROOM.
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: SAFE IS RESPONSIBILITY
- Hand protection: _____
- Safety boots: SAFETY BOOTS
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: Matthew Bond

Permit Open (Time): 1200

Master/Chief Engineer/Mate: Les Marshall

Date: 22-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies: _____

10. SIGN OUT PERMIT

Responsible Person Signature: Matthew Bond

Permit Close (Time): 2200

All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: Les Marshall

Date: 22-04-07

Permit No: 4232

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: BRITISH OCEANIC
 Work requested by: Paul J. Smith
 Location of work on vessel: Off Deck & Hold
 Date: 23-04-07
 Outside contractors
 Company: Kishu & Sons
 Contractors name: Abdul Razaq / 33 Avenue /
 Responsible person: — H — 23-04-07

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Work on new Off Deck unit / equipment
handling tank, & id ER HULLING

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (Nil in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable). 2 hrs + 7/11
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space:

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: Mobile in hold
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: thick PPE is the
- Safety boots: responsibility of
- Protective clothing: contractor
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____
 Permit Open (Time): 9:00 AM
 Master/Chief Engineer/Mate: Paul J. Smith
 Date: 23-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: _____
 Permit Close (Time): 2:00
 All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: Paul J. Smith
 Date: 23-04-07

Permit No: 4233

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution
White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SUREAN SUREAN
 Work requested by: POU CSIRO
 Location of work on vessel: MAINDECK
 Date: 23-09-07
 Outside contractors
 Company: AYRUS BROS
 Contractors name: ADRIAN GIER
 Responsible person: CRANE STAKE & ADRIAN GIER

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

FIXING OF PSC - FABRICATED LADDER
& GUARD TO STABBOARD YARDWAYS

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level:
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):

 Testing time: _____ Date: _____
- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ls not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use. CRANE SUPPLY.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: USE RADIO & HELD SIGNALS
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: } ALL PPE IS THE
- Safety boots: } RESPONSIBILITY OF
- Protective clothing: } CONTRACTOR.
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____
 Permit Open (Time): 0200
 Master/Chief Engineer/Mate: Des Marshall
 Date: 23-09-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies: _____

10. SIGN OUT PERMIT

Responsible Person Signature: _____
 Permit Close (Time): _____
 All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: ADRIAN
 Date: 23/9/07

Permit No: 4234

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: SURGICAL SURVEYOR
 Work requested by: Paul
 Location of work on vessel: SAULTER DECK CABIN
 Date: 23-04-07
 Outside contractors
 Company: THANE BROS
 Contractors name: PETER CLARK / ALLIED BUILDERS
 Responsible person: _____

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

WELDING STUCCO TO BATHROOM DECKS
FOR LAVATORY PANS.

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) **PURGING AND VENTILATION**
 Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) **ATMOSPHERIC TEST REQUIREMENT**
 The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____
- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked * 2nd 3
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) **USE OF CHEMICAL AGENTS** (Details to be completed)
 No chemical agents other than those listed below may be taken into the confined space: _____

b) **STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS**
 The following arrangements have been made:
 Stand-by person(s) are (identify): _____
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: WALKIE TALKIE IN PAIR
 Rescue and emergency procedures are understood and have been posted.

c) **OTHER CONTROL MEASURES**
 Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:
 Warning notices/barricades are in position.
 Special precautions (ie vessel's/contractors equipment) _____
 Port requirements complied with.

d) **PERSONAL PROTECTIVE EQUIPMENT**
 The personal protective equipment ticked below shall be worn, (specify details where appropriate):
 Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or lifeline/rescue line: _____
 Eye protectors: _____
 Hand protection: ALL PPE IS THE RESPONSIBILITY OF CONTRACTOR
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).
 Responsible Person Signature: Peter Clark
 Permit Open (Time): 02:00
 Master/Chief Engineer/Mate: Les Morrison
 Date: 23-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.
 List continuing deficiencies: _____

10. SIGN OUT PERMIT

Responsible Person Signature: P. Clark
 Permit Close (Time): 4:25
 All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: Paul
 Date: 23-04-07

Permit No: 4235

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: SIGNIFICANT SURVEY 2
 Work requested by: Paul Jones
 Location of work on vessel: FORWARD STARBOARD WING
 Date: 23-04-07
 Outside contractors: _____
 Company: APRIL 2005
 Contractors name: Tony H. 33
 Responsible person: Paul A. Miller

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

RE-PAINT PIPEWORK IN TANK SPACE
BROU N/C ROOM

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) **PURGING AND VENTILATION**
 Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) **ATMOSPHERIC TEST REQUIREMENT**
 The test equipment has been calibrated and the atmosphere has been tested for: (N/A in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____
- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory/protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable). 2.2K 6 x 11
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) **USE OF CHEMICAL AGENTS** (Details to be completed)
 No chemical agents other than those listed below may be taken into the confined space: _____

b) **STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS**
 The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: 14-3-5-3-4-6 11 12-21
- Rescue and emergency procedures are understood and have been posted.

c) **OTHER CONTROL MEASURES**
 Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) **PERSONAL PROTECTIVE EQUIPMENT**
 The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: All PPE is the
- Hand protection: RESPONSIBILITY OF
- Safety boots: CONTRACTOR.
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: [Signature]
 Permit Open (Time): 0730
 Master/Chief Engineer/Mate: [Signature]
 Date: 23-04-07

9. WORK COMPLETED/SUSPENDED

All persons have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies: _____

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]
 Permit Close (Time): 1630
 All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: [Signature]
 Date: 23/4/07

Permit No: 4236

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: 205142
 Work requested by: 205142
 Location of work on vessel: 205142
 Date: 23-09-07
 Outside contractors
 Company: 205142
 Contractors name: 205142
 Responsible person: 205142

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Nº 5 AREA GENERATOR WIRE W/ WIRE
A SET WATER STRAINER

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) **PURGING AND VENTILATION**
 Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) **ATMOSPHERIC TEST REQUIREMENT**
 The test equipment has been calibrated and the atmosphere has been tested for: (N/A in details and results of the tests)

- Safe oxygen level:
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):
 Testing time: _____ Date: _____
- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolator and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) **USE OF CHEMICAL AGENTS** (Details to be completed)
 No chemical agents other than those listed below may be taken into the confined space:

b) **STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS**
 The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) **OTHER CONTROL MEASURES**
 Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessels/contractors equipment) _____
- Port requirements complied with.

d) **PERSONAL PROTECTIVE EQUIPMENT**
 The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: ALL PPE IS TAKEN
- Hand protection: _____
- Safety boots: RESISTANCE / LE
- Protective clothing: _____
- Hearing protectors: HEARING PROTECTORS
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: [Signature]
 Permit Open (Time): 07:45
 Master/Chief Engineer/Mate: [Signature]
 Date: 23-09-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]
 Permit Close (Time): _____
 All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: [Signature]
 Date: 23/09/07

Permit No: 4237

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: WINGEN SURVIVOR
 Work requested by: PAUL CRISP
 Location of work on vessel: WATER TANK WAIST
 Date: 13-07-07
 Outside contractors
 Company: HEBERT MARINE CONTRACTORS
 Contractors name: MAYOR SATTON
 Responsible person: DAVID SLOAN

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

WATER TANK WAIST & BATTERY

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level

Testing time: _____ Date: _____

- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):

Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)

Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space:

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____

- Alternative to stand-by (specify arrangements): _____

- Communications arrangements: NA

- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____

- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: ALL PPE IS FIT
- Hand protection: RESISTANCE
- Safety boots: CONTRACTIVE
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____

Permit Open (Time): 07:30

Master/Chief Engineer/Mate: MS Major

Date: 23-07-07

9. WORK COMPLETED/SUSPENDED

All personnel have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: _____

Permit Close (Time): 16:40

All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: MS Major

Date: 23-07-07

Permit No: 4238

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution
White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SURVEYOR SURVEYOR
 Work requested by: PAUL CSIRO
 Location of work on vessel: PORT ER AIR INTAKE BRIDGE DECK
 Date: 23-09-07
 Outside contractors
 Company: _____
 Contractors name: PAUL CSIRO
 Responsible person: PAUL CSIRO

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

BRIDGE CLIMBING ROSES TO AIR INTAKE BRIDGE
CLAD

3. CONFINED SPACE

The items ticked below have been isolated or made safe:
 Pipelines (water, steam, gas, etc)
 Mechanical/electrical drives
 Sludges/deposits/waste
 Harmful materials
 Electrical services
 Warning notices, locks, or tags have been fitted to means of isolation
 Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:
 Purging of space
 Ventilation of space
 Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)
 Safe oxygen level:
 Testing time: _____ Date: _____
 Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):

 Testing time: _____ Date: _____

c) FLAMMABLE ATMOSPHERE (give % LEL)

Testing time: _____ Date: _____
 Continuous monitoring for atmosphere contaminants required
 Continuous monitoring flammable gas detector
 The atmosphere is safe for entry under the conditions ticked below:
 With a supplied-air respiratory protective device.
 With an air purifying (non air-supplied) respiratory protective device.
 Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:
 Area clean and free of all readily combustible materials.
 A water hose run to job site and tested.
 Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 Power leads not draped across pipelines or access ways.
 Electrical trace on pipes located. Hot work isn't permissible inside this space.
 Coatings stripped to minimise fire risks.
 Need for firewatcher.
 Portable fire extinguisher at hand.
 Any J.S.A. identified and observed.
 Adjacent spaces checked.
 Isolate fire zones (if applicable).
 Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

Tag System used.
 J.S.A. followed (if applicable).
 Other personnel verbally advised.
 Other hazards identified and isolated.
 All moving machinery close to work area shut down or safeguarded.
 Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

Harness supplied and safe to use.
 Any electrical or other hazards identified.
 Portable power leads/equipment safe to use.
 Isolate and tag radar/satellite communications.
 J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space:

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:
 Stand-by person(s) are (identify): _____
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: _____
 Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:
 Warning notices/barricades are in position.
 Special precautions (ie vessel's/contractors equipment): _____

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):
 Supplied-air respirators:
 Air purifying respiratory protective devices:
 Safety harness and/or safety line or lifeline/rescue line:
 Eye protectors: ALL PPE IS TAG
 Hand protection:
 Safety boots: RESISTANT
 Protective clothing: WORK TURT
 Hearing protectors:
 Safety helmets:
 Other:

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).
 Responsible Person Signature: [Signature]
 Permit Open (Time): 07:50
 Master/Chief Engineer/Mate: [Signature]
 Date: 23-09-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.
 List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]
 Permit Close (Time): 14:45
 All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: [Signature]
 Date: 23-09-07

Permit No: 4239

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
 Pink: Retain on bridge
 Yellow: Chief Engineer/Control Room
 Blue: Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: P+O
 Location of work on vessel: Clean Room
 Date: 23-04-07
 Outside contractors
 Company: _____
 Contractors name: TR
 Responsible person: Guy Strike
Derek Gignar

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Install Storage Tanks
Hot Work

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
 Mechanical/electrical drives
 Sludges/deposits/waste
 Harmful materials
 Electrical services
 Warning notices, locks, or tags have been fitted to means of isolation
 Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
 Ventilation of space
 Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (N in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
 Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____

Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
 Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
 With an air purifying (non air-supplied) respiratory protective device.
 Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
 A water hose run to job site and tested.
 Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 Power leads not draped across pipelines or access ways.
 Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
 Coatings stripped to minimise fire risks.
 Need for firewatcher.
 Portable fire extinguisher at hand.
 Any J.S.A. identified and observed.
 Adjacent spaces checked.
 Isolate fire zones (if applicable).
 Greater than 500 meters from Platform. Zone 10

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
 J.S.A. followed (if applicable).
 Other personnel verbally advised.
 Other hazards identified and isolated.
 All moving machinery close to work area shut down or safeguarded.
 Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
 Any electrical or other hazards identified.
 Portable power leads/equipment safe to use.
 Isolate and tag radar/satellite communications.
 J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS**a) USE OF CHEMICAL AGENTS (Details to be completed)**

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: _____

- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
 Special precautions (ie vessel's/contractors equipment) _____
 Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or lifeline/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____

Permit Open (Time): 0800Master/Chief Engineer/Mate: RWTDate: 23-04-07**9. WORK COMPLETED/SUSPENDED**

All personnel have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: _____

Permit Close (Time): 1630

All personnel have exited confined space(s), ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: JMBDate: 23/4/07

Permit No: 4240

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: SEAFARER SERVICES
 Work requested by: S. MICHAEL - CEIRO
 Location of work on vessel: PORT ENGINE / TACKLING DECK
 Date: 27/11/07
 Outside contractors
 Company: ALFA LOMBA AND DATA
 Contractors name: RITARDI OPTICAL / MATT WOODHEAD
 Responsible person: STAN THOMAS

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

INSTALL TACKLING DECK LIGHTS IN TACKLING DECK

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level:
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):

 Testing time: _____ Date: _____
- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radio/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

- a) USE OF CHEMICAL AGENTS** (Details to be completed)
 No chemical agents other than those listed below may be taken into the confined space: _____
- b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS**
 The following arrangements have been made:
 Stand-by person(s) are (identify): _____
 Alternative to stand-by (specify arrangements): Vehicle Present
 Communications arrangements: VOICE AND BLOWER
 Rescue and emergency procedures are understood and have been posted.
- c) OTHER CONTROL MEASURES**
 Smoking is banned in the confined space and adjoining areas. Measure ticked below have been implemented:
 Warning notices/barricades are in position.
 Special precautions (ie vessel's/contractors equipment) _____
 Port requirements complied with.
- d) PERSONAL PROTECTIVE EQUIPMENT**
 The personal protective equipment ticked below shall be worn, (specify details where appropriate):
 Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or lifeline/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: Stan Thomas
 Permit Open (Time): 0850
 Master/Chief Engineer/Mate: Ken
 Date: 23-11-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: _____
 Permit Close (Time): 12.00
 All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: _____
 Date: 23-11-07

Permit No: 4241

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
 Pink: Retain on bridge
 Yellow: Chief Engineer/Control Room
 Blue: Master copy book

1. DETAILS

Vessel's name: SOUTHAM SUBMER
 Work requested by: VEOLIA
 Location of work on vessel: FUAZ TANKS
 Date: 23.4.07
 Outside contractors
 Company: VEOLIA
 Contractors name: ROCK VALLEY / JOHN ROSSIGNOL
 Responsible person: JOHN HALLIDAY

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

CHIPPING FUAZ TANKS

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
 Mechanical/electrical drives
 Sludges/deposits/waste
 Harmful materials
 Electrical services
 Warning notices, locks, or tags have been fitted to means of isolation
 Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
 Ventilation of space
 Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (N/A in details and results of the tests)

- Safe oxygen level:
 Testing time: _____ Date: _____
 Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):

Testing time: _____ Date: _____
 Flammable atmosphere (give % LEL) 20.9%
 Testing time: 0900 Date: 23.4.07

- Continuous monitoring for atmosphere contaminants required
 Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
 With an air purifying (non air-supplied) respiratory protective device.
 Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
 A water hose run to job site and tested.
 Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 Power leads not draped across pipelines or access ways.
 Electrical trace on pipes coated. Hot work is/ is not permissible inside this space.
 Coatings stripped to minimise fire risks.
 Need for firewatcher.
 Portable fire extinguisher at hand.
 Any J.S.A. identified and observed.
 Adjacent spaces checked.
 Isolate fire zones (if applicable).
 Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
 J.S.A. followed (if applicable).
 Other personnel verbally advised.
 Other hazards identified and isolated.
 All moving machinery close to work area shut down or safeguarded.
 Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
 Any electrical or other hazards identified.
 Portable power leads/equipment safe to use.
 Isolate and tag radar/satellite communications.
 J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS**a) USE OF CHEMICAL AGENTS (Details to be completed)**

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): ALAN HARRISON / ADRIAN RICHARDS
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: _____

- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
 Special precautions (ie vessel's/contractors equipment) _____
 Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or lifeline/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: [Signature]
 Permit Open (Time): 0900
 Master/Chief Engineer/Mate: [Signature]
 Date: 23-24-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]
 Permit Close (Time): 1430 HRS

All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: [Signature]
 Date: 23-4-07

Permit No: 4242

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution
White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: P+O
 Location of work on vessel: A/C Flat + Green Room
 Date: 23-04-07
 Outside contractors
 Company: TC
 Contractors name: _____
 Responsible person: C Guent

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Electrical Isolations

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____
 Permit Open (Time): 0915
 Master/Chief Engineer/Mate: RJG
 Date: 23-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: _____
 Permit Close (Time): 2135
 All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: RJG
 Date: 23-04-07

Permit No: 4243

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: S.S. V.
 Work requested by: C.S.P.
 Location of work on vessel: _____
 Date: 23/04/07
 Outside contractors
 Company: T.G.E.S.
 Contractors name: T.G.E.S.
 Responsible person: James Macdonald

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Work on Sewage Refractor
Platform.

3. CONFINED SPACE

- The items ticked below have been isolated or made safe:
- Pipelines (water, steam, gas, etc)
 - Mechanical/electrical drives
 - Sludges/deposits/waste
 - Harmful materials
 - Electrical services
 - Warning notices, locks, or tags have been fitted to means of isolation
 - Radiation services

- a) PURGING AND VENTILATION**
 Purging and ventilation measures listed below have been implemented:
- Purging of space
 - Ventilation of space
 - Continuous ventilation of space required

- b) ATMOSPHERIC TEST REQUIREMENT**
 The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)
- Safe oxygen level:
 Testing time: _____ Date: _____
 - Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards):

 Testing time: _____ Date: _____
 - Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
 - Continuous monitoring for atmosphere contaminants required
 - Continuous monitoring flammable gas detector

- The atmosphere is safe for entry under the conditions ticked below:
- With a supplied-air respiratory protective device.
 - With an air purifying (non air-supplied) respiratory protective device.
 - Without a respiratory protective device.

4. HOT WORK

- The precautions ticked below must be observed:
- Area clean and free of all readily combustible materials.
 - A water hose run to job site and tested.
 - Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 - Power leads not draped across pipelines or access ways.
 - Electrical trace on pipes located. Hot work isn't permissible inside this space.
 - Coatings stripped to minimise fire risks.
 - Need for firewatcher.
 - Portable fire extinguisher at hand.
 - Any J.S.A. identified and observed.
 - Adjacent spaces checked.
 - Isolate fire zones (if applicable).
 - Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

- a) USE OF CHEMICAL AGENTS** (Details to be completed)
 No chemical agents other than those listed below may be taken into the confined space: _____
- b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS**
 The following arrangements have been made:
- Stand-by person(s) are (identify): _____
 - Alternative to stand-by (specify arrangements): _____
 - Communications arrangements: _____
 - Rescue and emergency procedures are understood and have been posted.
- c) OTHER CONTROL MEASURES**
 Smoking is banned in the confined space and adjoining area. Measures ticked below have been implemented:
- Warning notices/barricades are in position.
 - Special precautions (ie vessel/contractors equipment) _____
 - Port requirements complied with.
- d) PERSONAL PROTECTIVE EQUIPMENT**
 The personal protective equipment ticked below shall be worn, (specify details where appropriate):
- Supplied-air respirators: _____
 - Air purifying respiratory protective devices: _____
 - Safety harness and/or safety line or lifeline/rescue line: _____
 - Eye protectors: _____
 - Hand protection: _____
 - Safety boots: _____
 - Protective clothing: _____
 - Hearing protectors: _____
 - Safety helmets: _____
 - Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____
 Permit Open (Time): 14:30
 Master/Chief Engineer/Mate: _____
 Date: 23/04/07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

List continuing deficiencies: _____

10. SIGN OUT PERMIT

Responsible Person Signature: _____
 Permit Close (Time): 16:30
 All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: _____
 Date: 23-04-07

Permit No: 4244

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV P+O
Work requested by: _____
Location of work on vessel: Steering flat
Date: 23-06-07
Outside contractors: _____
Company: T.B.
Contractors name: _____
Responsible person: Andrew Simpson

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Steering Gear Repairs

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (Nil or details and results of the tests)

- Safe oxygen level: _____
Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____

Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessels/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective device: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____

Permit Open (Time): 1040

Master/Chief Engineer/Mate: RMS

Date: 23-06-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: _____

Permit Close (Time): 1500

All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: RMS

Date: 23-06-07

Permit No: 4245

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution
White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: P+D
 Location of work on vessel: A/C Flat
 Date: 23-04-07
 Outside contractors
 Company: _____
 Contractors name: TB
 Responsible person: Matthew Ross
Ben Spoor

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Hot work on Spire side

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____

Testing time: _____ Date: _____

Flammable atmosphere (give % LEL)

Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- Fire hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Suitable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

Zone 4

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/baricades are in position.
- Special precautions (ie vessels/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____

Permit Open (Time): 7:00 hr

Master/Chief Engineer/Mate: NWS

Date: 23-04-07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]

Permit Close (Time): 10:45

All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.

Master/Chief Engineer/Mate: [Signature]

Date: 24-04-07

Permit No: 4246

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: SSV P+O
 Work requested by: _____
 Location of work on vessel: A/C Flst
 Date: 24-04-07
 Outside contractors
 Company: KFC
 Contractors name: Bob Buijen
 Responsible person: Allen Cooper

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Install New A/C
U27-002K

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____

- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____

 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

Zong 4

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): Allen Cooper
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area.

Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessel's/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____
 Permit Open (Time): 0700
 Master/Chief Engineer/Mate: RUI
 Date: 24/04/07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: 1800
 Permit Close (Time): _____
 All personnel have exited confined spaces, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: JABOY
 Date: 24/04/07

Permit No: 4247

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
Pink: Retain on bridge
Yellow: Chief Engineer/Control Room
Blue: Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: PLO
 Location of work on vessel: Engine Room
 Date: 24.04.07
 Outside contractors
 Company: TB
 Contractors name: Burn Mellow (Dumars) Telecom
 Responsible person: Russ Heaton

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

ER Mechanical Repairs
≡ 3 Alt Cell

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____
- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
- Special precautions (ie vessels/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective devices: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: [Signature]
 Permit Open (Time): 0700
 Master/Chief Engineer/Mate: PLO
 Date: 24.04.07

9. WORK COMPLETED/SUSPENDED

All person have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: [Signature]
 Permit Close (Time): 1830
 All personnel have exited confined space/s, checked all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: [Signature]
 Date: 24.04.07

Permit No: 4248

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

- White:** Original person seeking permit
- Pink:** Retain on bridge
- Yellow:** Chief Engineer/Control Room
- Blue:** Master copy book

1. DETAILS

Vessel's name: SCV
 Work requested by: P=O
 Location of work on vessel: Green Room
 Date: 24.04.07
 Outside contractors
 Company: _____
 Contractors name: Daniel Gairner
 Responsible person: Alex Gouffreau

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Sewage & Ventilation

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
- Mechanical/electrical drives
- Sludges/deposits/waste
- Harmful materials
- Electrical services
- Warning notices, locks, or tags have been fitted to means of isolation
- Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
- Ventilation of space
- Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
- Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____
- Continuous monitoring for atmosphere contaminants required
- Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
- With an air purifying (non air-supplied) respiratory protective device.
- Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
- A water hose run to job site and tested.
- Welding machine earthed directly to equipment being welded as close to the welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes located. Hot work is not permissible inside this space.
- Coatings stripped to minimise fire risks.
- Need for firewatcher.
- Portable fire extinguisher at hand.
- Any J.S.A. identified and observed.
- Adjacent spaces checked.
- Isolate fire zones (if applicable).
- Greater than 500 meters from Platform.

2010 10

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
- J.S.A. followed (if applicable).
- Other personnel verbally advised.
- Other hazards identified and isolated.
- All moving machinery close to work area shut down or safeguarded.
- Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
- Any electrical or other hazards identified.
- Portable power leads/equipment safe to use.
- Isolate and tag radar/satellite communications.
- J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS

a) USE OF CHEMICAL AGENTS (Details to be completed)

No chemical agents other than those listed below may be taken into the confined space:

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): Craig Stiles
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: _____

- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measures ticked below have been implemented:

- Warning notices/baricades are in position.
- Special precautions (ie vessels/contractors equipment) _____
- Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
- Air purifying respiratory protective device: _____
- Safety harness and/or safety line or lifeline/rescue line: _____
- Eye protectors: _____
- Hand protection: _____
- Safety boots: _____
- Protective clothing: _____
- Hearing protectors: _____
- Safety helmets: _____
- Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: _____
 Permit Open (Time): 0700
 Master/Chief Engineer/Mate: RWS
 Date: 24.04.07

9. WORK COMPLETED/SUSPENDED

All persons have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: _____
 Permit Close (Time): 17.30
 All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: _____
 Date: 24/4/07

Permit No: 4249

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
 Pink: Retain on bridge
 Yellow: Chief Engineer/Control Room
 Blue: Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: P&O
 Location of work on vessel: Accommodation
 Date: 24-04-07
 Outside contractors: _____
 Company: -B
 Contractors name: _____
 Responsible person: Peter Clark

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Deck Heads

3. CONFINED SPACE

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
 Mechanical/electrical drives
 Sludges/deposits/waste
 Harmful materials
 Electrical services
 Warning notices, locks, or tags have been fitted to means of isolation
 Radiation services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
 Ventilation of space
 Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (fill in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
 Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____
 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
 Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
 With an air purifying (non air-supplied) respiratory protective device.
 Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
 A water hose run to job site and tested.
 Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 Power leads not draped across pipelines or access ways.
 Electrical trace on pipes located. Hot work is/is not permissible inside this space.
 Coatings stripped to minimise fire risks.
 Need for firewatcher.
 Portable fire extinguisher at hand.
 Any J.S.A. identified and observed.
 Adjacent spaces checked.
 Isolate fire zones (if applicable).
 Greater than 500 meters from Platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
 J.S.A. followed (if applicable).
 Other personnel verbally advised.
 Other hazards identified and isolated.
 All moving machinery close to work area shut down or safeguarded.
 Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
 Any electrical or other hazards identified.
 Portable power leads/equipment safe to use.
 Isolate and tag radar/satellite communications.
 J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS**a) USE OF CHEMICAL AGENTS (Details to be completed)**

No chemical agents other than those listed below may be taken into the confined space: _____

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): _____
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: _____

- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
 Special precautions (ie vessel/contractors equipment) _____
 Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or lifeline/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: P. Clark

Permit Open (Time): 0705

Master/Chief Engineer/Mate: P. Clark

Date: 24-04-07

9. WORK COMPLETED/SUSPENDED

All personnel have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: P. Clark

Permit Close (Time): 4:25

All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out (if no personnel are working aloft, overboard).

Master/Chief Engineer/Mate: P. Clark

Date: 24-04-07

Permit No: 4250

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person seeking permit
 Pink: Retain on bridge
 Yellow: Chief Engineer/Control Room
 Blue: Master copy book

1. DETAILS

Vessel's name: SSV
 Work requested by: P+O
 Location of work on vessel: ERSS2 Exd Tanking
 Date: 24-04-07
 Outside contractors
 Company: TB
 Contractors name: Allen Bullett
 Responsible person: Allen Webb

2. DESCRIPTION OF WORK TO BE UNDERTAKEN**3. CONFINED SPACE**

The items ticked below have been isolated or made safe:

- Pipelines (water, steam, gas, etc)
 Mechanical/electrical drives
 Sludges/deposits/waste
 Harmful materials
 Electrical services
 Warning notices, locks, or tags have been fitted to means of isolation
 Radios/on services

a) PURGING AND VENTILATION

Purging and ventilation measures listed below have been implemented:

- Purging of space
 Ventilation of space
 Continuous ventilation of space required

b) ATMOSPHERIC TEST REQUIREMENT

The test equipment has been calibrated and the atmosphere has been tested for: (All in details and results of the tests)

- Safe oxygen level: _____
 Testing time: _____ Date: _____
 Atmosphere contaminant(s) (list contaminants, concentrations and compare with exposure standards): _____

 Testing time: _____ Date: _____

- Flammable atmosphere (give % LEL)
 Testing time: _____ Date: _____

- Continuous monitoring for atmosphere contaminants required
 Continuous monitoring flammable gas detector

The atmosphere is safe for entry under the conditions ticked below:

- With a supplied-air respiratory protective device.
 With an air purifying (non air-supplied) respiratory protective device.
 Without a respiratory protective device.

4. HOT WORK

The precautions ticked below must be observed:

- Area clean and free of all readily combustible materials.
 A water hose run to job site and tested.
 Welding machine earthed directly to equipment being welded as close to the welding point as possible.
 Power leads not draped across pipelines or access ways.
 Electrical trace on pipes located. Hot work is/ is not permissible inside this space.
 Coatings stripped to minimise fire risks.
 Need for firewatcher.
 Portable fire extinguisher at hand.
 Any J.S.A. identified and observed.
 Adjacent spaces checked.
 Isolate fire zones (if applicable).
 Greater than 500 meters from Platform. 2016 11, 6

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag System used.
 J.S.A. followed (if applicable).
 Other personnel verbally advised.
 Other hazards identified and isolated.
 All moving machinery close to work area shut down or safeguarded.
 Isolation switches etc. engaged.

6. WORKING ALOFT/OVERBOARD

- Harness supplied and safe to use.
 Any electrical or other hazards identified.
 Portable power leads/equipment safe to use.
 Isolate and tag radio/satellite communications.
 J.S.A. adhered to (if applicable).

7. GENERAL REQUIREMENTS**a) USE OF CHEMICAL AGENTS (Details to be completed)**

No chemical agents other than those listed below may be taken into the confined space:

b) STAND-BY PERSONNEL AND RESCUE ARRANGEMENTS

The following arrangements have been made:

- Stand-by person(s) are (identify): Nick Pullin, 6
 Alternative to stand-by (specify arrangements): _____
 Communications arrangements: _____

- Rescue and emergency procedures are understood and have been posted.

c) OTHER CONTROL MEASURES

Smoking is banned in the confined space and adjoining area. Measure ticked below have been implemented:

- Warning notices/barricades are in position.
 Special precautions (ie vessel's/contractors equipment) _____
 Port requirements complied with.

d) PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment ticked below shall be worn, (specify details where appropriate):

- Supplied-air respirators: _____
 Air purifying respiratory protective devices: _____
 Safety harness and/or safety line or lifeline/rescue line: _____
 Eye protectors: _____
 Hand protection: _____
 Safety boots: _____
 Protective clothing: _____
 Hearing protectors: _____
 Safety helmets: _____
 Other: _____

8. SIGN IN PERMIT

The above conditions have been advised to me and are clearly understood. It is agreed all conditions of this permit system will be undertaken (as required).

Responsible Person Signature: Allen Webb
 Permit Open (Time): 0710
 Master/Chief Engineer/Mate: R.M.
 Date: 24-04-07

9. WORK COMPLETED/SUSPENDED

All personnel have been withdrawn, the work has been suspended or completed. The workplace covered by this permit has been left in a safe condition.

- List continuing deficiencies:

10. SIGN OUT PERMIT

Responsible Person Signature: Allen Webb
 Permit Close (Time): 1635
 All personnel have exited confined space/s, ceased all hot work and equipment is safe to be used or has been tagged out and no personnel are working aloft, overboard.
 Master/Chief Engineer/Mate: R.M.
 Date: 24-04-07