

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-3
 Work requested by: F. S. A.
 Location of work on vessel: 11/24/137
 Date: 11/24/137
 Outside contractors:
 Company: TG
 Contractors name: Tactical Unit
 Responsible person:

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Electrical 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 fixed 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: 21.2
 Testing time: 11.3.5 Date: 11/24/137
 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 welding point as possible.
 Power leads not draped across pipelines or access ways.
 Electrical trace on pipes isolated. 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 metres 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/contractor's 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 [Signature]
 Date: 11/24/137

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): [Signature]
 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: 11/24/137

Permit No: 3199

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 120
Work requested by: _____
Location of work on vessel: 115137
Date: _____
Outside contractors:
Company: _____
Contractors name: Steve Haines
Responsible person: Sam Miller

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

CIP 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 fixed 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 welding point as possible.
- Power leads not draped across pipelines or access ways.
- Electrical trace on pipes isolated. 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 metres 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/contractor's 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): 1130
Master/Chief Engineer/Mate: [Signature]
Date: 11/24/07

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): 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: [Signature]
Date: 11/24/07

Permit No: 3200

Tag No:

P&O Maritime Services

VESSEL PERMIT TO WORK

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

1. DETAILS

Vessel's Name: SSV P-10
Work requested by: SSV P-10
Location of work on vessel: Aft Deck + under way aft.
Date:

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Hot work cutting off wind = drilling metal etc.

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 fixed 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 welding point as possible.
 - Power leads not draped across pipelines or access ways.
 - Electrical trace on pipes isolated. 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 metres from platform.

5. MECHANICAL/ELECTRICAL ISOLATION

- Tag system used. Part of P&O
- 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): Stacy
 - 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/contractor's 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.L. Wiggins
Permit Open (Time) 11/04/07
Master/Chief Engineer/Mate A.L. Wiggins
Date: 11/04/07

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: A.L. Wiggins
Permit Close (Time): 1200
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: A.L. Wiggins
Date: 11/04/07

Permit No: 4101

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: SOUTHERN SURVEYOR
 Work requested by: PAU CSIRO
 Location of work on vessel: SHIELDER DECK PORT CABINS
 Date: 2/07/07
 Outside contractors
 Company: JACK ELL
 Contractors name: JACK ELL
 Responsible person: _____

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

WELDING VINYL LINOLEUM

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). zone 3
- 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 Helina/rescue line: _____
- Eye protectors: _____
- Hand protection: PPE IS CONTRAINDICATED
- Safety boots: _____
- Protective clothing: RESPONSIBILITY
- 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: JACK ELL
 Permit Open (Time): 10:20 AM
 Master/Chief Engineer/Mate: TO MORROW
 Date: 2/07/07

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: JACK ELL
 Permit Close (Time): 2 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: SEAN
 Date: 2/4/07

Permit No: 4102

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: SILVER STAR
 Work requested by: PRU CSIRO
 Location of work on vessel: MID DECK CABINS & MESS
 Date: 27/04/07 2702h
 Outside contractors
 Company: HILLING & ASKE
 Contractors name: BRUCE HILLING / D. S. HILLING
 Responsible person: Wayne CSIRO

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

CEILING

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 Helir/Rescue line: _____
- Eye protectors: _____
- Hand protection: PPE IS THE
- Safety boots: _____
- Protective clothing: RESISTIVITY OF
- Hearing protectors: CONTAINER
- 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. Willing
 Permit Open (Time): 12:00 PM
 Master/Chief Engineer/Mate: [Signature]
 Date: 27/4/07

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: B. Willing
 Permit Close (Time): 2:15 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: SEAN
 Date: 27/4/07

Permit No: 4103

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: PJO
 Location of work on vessel: Green Room
 Date: _____
 Outside contractors
 Company: _____
 Contractors name: _____
 Responsible person: _____

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Welding etc

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). 4 11 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): Ben Swaid

Alternative to stand-by (specify arrangements): _____

Communications arrangements: Verbal

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: _____

Supplied but not worn

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: ADP

Permit Open (Time): 1620

Master/Chief Engineer/Mate: SEA

Date: 27/4/07

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: NOB

Permit Close (Time): 2350

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: SEA

Date: 27/4/07

Permit No: 4104

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: AW
 Location of work on vessel: AK PLAT
 Date: 28-4-07
 Outside contractors
 Company: K+C
 Contractors name: ASV COPCA
 Responsible person: Asv Burgess

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

AK Work Carried

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). 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): Asv Burgess
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: Verbal

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: _____

*Supplied SA
SA
Contractor's rule*

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): 0649
 Master/Chief Engineer/Mate: Scullis
 Date: 28-4-07

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: Burg
 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: RWS
 Date: 28-04-07

Permit No: 4105

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

Distribution

White: Original person see
Pink: Retain on bridge
Yellow: Chief Engineer/Control R.
Blue: Master copy book

1. DETAILS

Vessel's name: 454
 Work requested by: P.O.
 Location of work on vessel: Cargo Room
 Date: 28-4-07
 Outside contractors
 Company: T. Buz
 Contractors name: Don George/Levy/Levy
 Responsible person: _____

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Welding Purging

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). 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): CRAM
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: Verbal

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 Helms/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): 07:21

Master/Chief Engineer/Mate: 3022

Date: 28-4-07

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): 16:30

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: RMS

Date: 28/4/07

Permit No: 4106

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: SSN
 Work requested by: PO
 Location of work on vessel: Ac Rm
 Date: 28-4-07
 Outside contractors
 Company: T. B. S.
 Contractors name: _____
 Responsible person: T. B. S.

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Ac Rm 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.

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 (ade/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): 07:24
 Master/Chief Engineer/Mate: [Signature]
 Date: 28-4-07

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: 28/04/07

Permit No: 4107

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 name: SSV
 Work requested by: PJO
 Location of work on vessel: 52nd Deck
 Date: 28-4-07
 Outside contractors
 Company: T. B. S.
 Contractors name: _____
 Responsible person: Denise Norton

2. DESCRIPTION OF WORK TO BE UNDERTAKENToward body which**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: _____

Permit Open (Time): 0707Master/Chief Engineer/Mate: SSVDate: 28-4-07**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): _____

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: 28/4/07

Permit No: 4108

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: RO
 Location of work on vessel: ACCUM
 Date: 28-4-07
 Outside contractors
 Company: Trio
 Contractors name:
 Responsible person: Peter

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Cabin 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.

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 loads/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. Blak

Permit Open (Time): 07:30

Master/Chief Engineer/Mate: Scott

Date: 28-4-07

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: P. Blak

Permit Close (Time): _____

All personnel have exited confined space, 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: Marshall

Date: 28/04/07

Permit No: 4109

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: E/Room
 Date: 28-11-07
 Outside contractors
 Company: T. Best
 Contractors name: Russel Hill
 Responsible person: _____

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Overboard 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 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: _____
 Permit Open (Time): 07:30
 Master/Chief Engineer/Mate: SSV
 Date: 28-11-07

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): 10:30
 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: P.O
 Date: 28/11/07

Permit No: 4110

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: Starline
 Work requested by: P+O
 Location of work on vessel: Deck Area + Cabin Area
 Date: 28-01-07
 Outside contractors
 Company: TRAVEL GROUP
 Contractors name: CONTRACT
 Responsible person: CONTRACT

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 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 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/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): 0800

Master/Chief Engineer/Mate: J. King

Date: 28-01-07

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: _____

Date: 28-01-07

Permit No: 4111

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 SWANSEA
 Work requested by: PCC
 Location of work on vessel: YH A11 GR
 Date: 25-4-07
 Outside contractors
 Company: TAYLOR
 Contractors name: _____
 Responsible person: MARKEN BRYAN

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): _____
- 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: 25-4-07

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 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: 25-04-07

Permit No: 4112

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: SEASIDE
 Work requested by: J.P.C.
 Location of work on vessel: Deck
 Date: 28/04/07
 Outside contractors
 Company: T.Y.C.O.S.
 Contractors name: MAST
 Responsible person: MAST

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): _____
- 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): 1500
 Master/Chief Engineer/Mate: [Signature]
 Date: 28/04/07

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: [Signature]
 Permit Close (Time): 1710
 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: 28/04/07

ZONE 4 #6

Permit No: 4113

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: SSU
 Work requested by: CSIC/ STINE THOMAS
 Location of work on vessel: PT OF DOCK BOW
 Date: 22/4/07
 Outside contractors
 Company: _____
 Contractors name: _____
 Responsible person: STINE THOMAS

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

REPAIR PT 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: (W 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: Stine Thomas

Permit Open (Time): 1510

Master/Chief Engineer/Mate: RW

Date: 22/4/07

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: Stine Thomas

Permit Close (Time): 1520

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: RW

Date: 22/4/07

Permit No: 4114

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: Deck
 Date: 29-04-07
 Outside contractors
 Company: _____
 Contractors name: TR
 Responsible person: Greg Taylor
D Norton

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Issued Body which 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: (W 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): 0800
 Master/Chief Engineer/Mate: [Signature]
 Date: 29-04-07

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): 09.15
 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: 29-4-07

Permit No: 4115

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: 29.04.07
 Outside contractors
 Company: TGES
 Contractors name: _____
 Responsible person: Carman Grant

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Lights & cable trays

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: _____
 Permit Open (Time): 0930
 Master/Chief Engineer/Mate: RW
 Date: 29.04.07

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): 12.35
 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: RW
 Date: 29.4.07

Permit No: 4116

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: SOUTHERN SURVEYOR
 Work requested by: BO / CSIRO
 Location of work on vessel: Accommodation AIRCRAFT
 Date: 29-09-07
 Outside contractors
 Company: HILLING & ABLE
 Contractors name: BRUCE HILLING / DEBBIE HILLING
 Responsible person: CLARISSA MONTES

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

CLEANING

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/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: } PPE IS RESPONSIBILITY
- Safety boots: } OF CONTRACTORS.
- 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 Hilling
 Permit Open (Time): 1115
 Master/Chief Engineer/Mate: TS Morrow
 Date: 29-09-07

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: B Hilling
 Permit Close (Time): 1-25 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: TS Morrow
 Date: 29-09-07

Permit No: 4117

Tag No: _____

P&O Maritime Services

Vessel Permit to Work

4

Distribution

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

1. DETAILS

Vessel's name: Southern Survey
 Work requested by: Taylor Ross
 Location of work on vessel: A/C Room
 Date: 20/04/07
 Outside contractors
 Company: _____
 Contractors name: Matthew Bond
 Responsible person: Matthew Bond

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Welding/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: (W 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): Ben Sward

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): 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: [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: _____

Permit No: 4118

Tag No: _____

P&O 
Maritime Services
Vessel Permit to Work

10

Distribution

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

1. DETAILS

Vessel's name: Southern Surveyor
 Work requested by: Master
 Location of work on vessel: Upper Room
 Date: 30/04/07
 Outside contractors
 Company: _____
 Contractors name: Taylor Bros
 Responsible person: Daniel Gieger

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Sewerage Plant

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 tags 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): Craig Stokes

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): _____

Master/Chief Engineer/Mate: W. Salek

Date: 30/04/07

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: Daniel Gieger

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: W. Salek

Date: 30/04/07

Permit No: 4119

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: Southern Surveyor
 Work requested by: Master
 Location of work on vessel: 512
 Date: 30/04/07
 Outside contractors
 Company: Taylor Ross
 Contractors name: _____
 Responsible person: Russell Herson

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Pipe installation

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): Tony 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 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): 1330Master/Chief Engineer/Mate: Russell HersonDate: 30/04/07**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): 1440

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: Russell HersonDate: 30/04/07

Permit No: 4120

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: Southern Surveyor
 Work requested by: Master
 Location of work on vessel: Windlass
 Date: 30/04/07
 Outside contractors
 Company: Taylor Bros
 Contractors name: _____
 Responsible person: Ben Mulder

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

windlass 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: (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 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: B. Mulder
 Permit Open (Time): 0730
 Master/Chief Engineer/Mate: M. Mulder
 Date: 30/04/07

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. Mulder 10-23
 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: M. Mulder
 Date: 30/04/07

Permit No: 4121

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 back

1. DETAILS

Vessel's name: Southern Surveyor
 Work requested by: Master
 Location of work on vessel: Interior
 Date: 30/06/07
 Outside contractors
 Company: Taylor Bros
 Contractors name: _____
 Responsible person: Peter Clarke

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

replace deck boards.

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'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 device: _____
 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: P. Clarke

Permit Open (Time): 7:00

Master/Chief Engineer/Mate: P. Clarke

Date: 30/06/07

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: P. Clarke

Permit Close (Time): 4:12

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: P. Clarke

Date: 30/06/07

Permit No: 4122

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: Southern Surveyor
 Work requested by: Master
 Location of work on vessel: Ops room
 Date: 30/04/07
 Outside contractors
 Company: Taylor Proc
 Contractors name: _____
 Responsible person: Craig Strike

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Fitting

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.
- 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: Craig Strike
 Permit Open (Time): 07:30
 Master/Chief Engineer/Mate: M. Hall
 Date: 30/04/07

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: Craig Strike
 Permit Close (Time): 16:30
 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: M. Hall
 Date: 30/04/07

Permit No: 4123

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: Southern Surveyor
 Work requested by: Master
 Location of work on vessel: Deck
 Date: 30/04/02
 Outside contractors
 Company: Kidney + Cooper
 Contractors name: _____
 Responsible person: Alan Cooper

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

AC

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.

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): Bob Burgess
 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): 0730Master/Chief Engineer/Mate: [Signature]Date: 30/04/02**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: [Signature]Date: 30/04/02

Permit No: 4124

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: RJ
 Location of work on vessel: 5100 Land vent
 Date: 30-4-07
 Outside contractors
 Company: TB
 Contractors name: _____
 Responsible person: Rud

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

1250 m² clean room - 2 floors

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): Donnie
- Alternative to stand-by (specify arrangements): _____
- Communications arrangements: visual
- 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: _____
- Supplied but not used*

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: Rudolf
 Permit Open (Time): 0815
 Master/Chief Engineer/Mate: Scenic
 Date: 30-4-07

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: Rudolf
 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: Scenic
 Date: 30-04-07

Permit No: 4125

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: Southern Surveyor
 Work requested by: P&O
 Location of work on vessel: A/C down Labs, Accommodation
 Date: 30.4.07
 Outside contractors
 Company: T.G.E.S.
 Contractors name: Trevor Grant
 Responsible person: Cameron Grant

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

General electrical 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 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: _____
 Permit Open (Time): 0915
 Master/Chief Engineer/Mate: _____
 Date: 30.4.07

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): 16:40
 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: _____
 Date: 30.4.07

Permit No: 4126

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: 9/SUNRISE
Work requested by: P.O.
Location of work on vessel: F' Room
Date: 20.01.07
Outside contractors
Company: TAYLORS
Contractors name: ADT
Responsible person: ADT

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

CUTTING BRASSING WIRING
F' 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: (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/baricades 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): 09.15

Master/Chief Engineer/Mate: [Signature]

Date: 20.01.07

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): 12.40

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: 20.01.07

ZONE 11

Permit No: 4127

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: PO
 Location of work on vessel: 400' deck
 Date: 30-11-07
 Outside contractors
 Company: K+C
 Contractors name: _____
 Responsible person: Bob

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Replace bolts on fan

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. Measures 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): 1306
 Master/Chief Engineer/Mate: SMW
 Date: 30-11-07

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: Bob
 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: SMW
 Date: 30/11/07

Permit No: 4128

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: Southern Surveyor
 Work requested by: Master
 Location of work on vessel: Tico Crane
 Date: 30/04/07
 Outside contractors
 Company: Riley IMS
 Contractors name: _____
 Responsible person: Phil Crow

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

Remove control box

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: (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 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): 12:00

Master/Chief Engineer/Mate: Phil Crow

Date: 30/04/07

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): _____

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: Phil Crow

Date: 30/04/07

Permit No: 4129

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: SKYLINE
 Work requested by: P.O.
 Location of work on vessel: AT SEA
 Date: 20.04.07
 Outside contractors
 Company: TAVEL
 Contractors name: Ben
 Responsible person: Ben

2. DESCRIPTION OF WORK TO BE UNDERTAKENLOA 2K**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.

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: BenPermit Open (Time): 1300Master/Chief Engineer/Mate: J.A. JayDate: 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 PERMITResponsible Person Signature: BenPermit Close (Time): 18.20

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: J.A. JayDate: 20/04/07

Permit No: 4130

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: SOUTHERN SURVEYOR
 Work requested by: P&O / CSIRO
 Location of work on vessel: ADMINISTRATIVE TOWER
 Date: 30.07.07
 Outside contractors
 Company: WILLING & ABLE
 Contractors name: BOB HIBLING / CHARISA MUMKS
 Responsible person: _____

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

CLEANING

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 jobsite 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 traces 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. 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: } PPK IS RESPONSIBILITY
- Safety boots: _____
- Protective clothing: } as appropriate
- 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): 1400
 Master/Chief Engineer/Mate: Bob Moran
 Date: 30.07.07

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. Willing
 Permit Close (Time): 3:15 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: M. Hill
 Date: 30/07/07

Permit No: 4131

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: INTERVAL SURVEIL
 Work requested by: BO / CSRD
 Location of work on vessel: STARBOARD GATE RR
 Date: VEIT SPACE
 Outside contractors
 Company: TAYLOR BROS
 Contractors name: MATTHEW BIRD / BEN SHARD
 Responsible person: Tony Webb

2. DESCRIPTION OF WORK TO BE UNDERTAKEN

TRIMMING LOYERS
- 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/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/ta 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). 2nd 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: _____
 - 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 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: PR is provided
 - Safety boots: _____
 - Protective clothing: as required
 - 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): 1430
 Master/Chief Engineer/Mate: [Signature]
 Date: 30/09

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): 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: 30/09/15

Permit No: 4132

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: _____

Work requested by: _____

Location of work on vessel: _____

Date: _____

Outside contractors

Company: _____

Contractors name: _____

Responsible person: _____

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 safe 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: _____

Permit Open (Time): _____

Master/Chief Engineer/Mate: _____

Date: _____

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: _____

Date: _____