



EVENT PLAN

1. Basic Information

Event Name	LPG Live Fire	Event Number	2
Name of Marshal	Cybele Shorter		
Contact Number	0405 410 166		
Teams to compete	2 X RFS Boat Crews per session		
Crew size (5 or 6)	Minimum 5 crew per responding fire boat (x2)		
Duration of event	30 Min Max – From Incident Call to Return to Staging area		
Sponsor	RFSA, Hawkesbury River Cruises		

2. Scenario

Advice Received

- A large LPG cylinder has been reported as “venting with significant flame activity”. Location is reported as north-eastern foreshore reserve of Milson Island south of the concrete “boat ramp”.
- There is concern the fire may ignite surrounding bushland, posing a further threat to outbuildings uphill from fire’s location
- There is a significant number of people utilising the facilities in and around these buildings.
- There is a falling tide to a significant low

Response Requirements

- First response fire vessel to be secured to shoreline, in accordance with procedures in Fire Boat Crew Manual (FBC). In addition, this should include the correct deployment of a stern anchor.
- Smaller vessels may land on beach “stern first” to alleviate the risk of swamping. However, both stern and bow anchors still need to be deployed
- OIC of Vessel 1 to carry out size up and assume Incident Control
- Second vessel to arrive on scene to assist Vessel 1. Correct procedures should be used for securing vessel and should also include deployment of stern anchor.
- Both vessels to deploy hose lines. “S” flaking of hose lines on shoreline is essential to allow vessel to be manoeuvred into deeper water during event
- Hose lays must be laid within individual marked lanes as far as barrier.
- Either the old “5 - man fog” method or more recent “flame-bending” method may be used to deal with cylinder fire.

- Upon direction of Judge or Event Marshal, nozzle person must signal water off, “skippers” of vessels will then be required to manoeuvre vessels 5m out to deeper water, using stern line, to avoid beaching vessels on falling tide. *(Page 42 FBC Manual)*
- On Judges signal, water to be discharged back through nozzle.
- On Judges signal, nozzle person to call water off.
- Two crew members from each crews will then proceed to knapsack barrier, one person is to don a knapsack with assistance from other.
- Knapsack person shall advance to second barrier and knock out target, once completed return to barrier 1 and swap with crew person 2 and repeat.
- On return of crewperson 2 knapsack must be refilled to marked line.
- Event is complete when knapsack is correctly refilled, equipment “made up” and vessels have returned to Staging Area or when Marshal puts a stop on event due to elapsed time.

3. Skills

Skill Areas	Expected Skill	RFS SOPS / Training Reference
<ul style="list-style-type: none"> • Boat handling skills 	<ul style="list-style-type: none"> • Safe speed to be adhered to throughout event • Identification of preferred “landing area” • Identification and avoidance of potential hazards • Communication between skippers and crews • Audible signals to be demonstrated 	<ul style="list-style-type: none"> • FBC Manual (Sections 4 & 5) • FBC Manual (Section 4)
<ul style="list-style-type: none"> • Fire Boat Crewman Skills 	<ul style="list-style-type: none"> • Lookouts maintained when underway • Proper and suitable tie ups to secure vessel • Correct anchoring procedures • Appropriate communication between skipper and crew during anchoring, tie up and departure • All crew wearing life jackets and PPE/PPC • Safety at all times 	<ul style="list-style-type: none"> • FBC (Section 5)
<ul style="list-style-type: none"> • Crew - firefighting skills to V/F - LPG cylinder 	<ul style="list-style-type: none"> • Appropriate amount of hose deployed, using “S” flake • Full PPE/PPC utilised appropriately • Safe “LPG” firefighting methods used 	<ul style="list-style-type: none"> • BF Manual • BF Manual • VF Manual
<ul style="list-style-type: none"> • OIC skills C/L – structure 	<ul style="list-style-type: none"> • ITASC Utilised appropriately to Judge • Communications & Radio operations – • Crew Resource Management 	<ul style="list-style-type: none"> • CL Manual • FBC (Section 2)

4. Knowledge Areas

All crews will be expected to be familiar with the following areas of NSW Rural Fire Service Training:

FBS / FBC / Training Reference	Expected Knowledge Area
Fire Boat Skipper	
FBS Section 2 - Systems	<ul style="list-style-type: none"> • Crew Resource Management • Safety Management Systems
FBS Section 4 - Navigation	<ul style="list-style-type: none"> • Lookout Requirements • Safe Speed & Approach • Navigation Rules and Requirements (NSW Maritime Boating Handbook)
FBS Section 5 – Weather & Conditions	<ul style="list-style-type: none"> • Consideration of Weather - Wind and Tide Impact
FBS Section 6 – Handling and Manoeuvres	<ul style="list-style-type: none"> • Vessel Handling • Slowing and Stopping • Shore Landings • Coming Alongside Vessels • Rafting Up
FBS Section 7 – Incident Response	<ul style="list-style-type: none"> • Tasking Crew • On Shore Fire
FBS Section 10 - Environment	<ul style="list-style-type: none"> • Waterways Pollution Management
Fire Boat Crew	
FBC Section 2 - Systems	<ul style="list-style-type: none"> • Crew Resource Management • Safety Management Systems
FBC Section 4 - Navigation	<ul style="list-style-type: none"> • Keeping a Safe Lookout
FBC Section 5 – Marine Operations	<ul style="list-style-type: none"> • The Skipper • Boat Crew Members • Speak Up • Personal Protective Equipment • Knots and Line Handling • Anchoring • Anchoring From Stern • Marine Radios / Radio Operations
FBC Section 6 – Emergency Procedures	<ul style="list-style-type: none"> • Person Overboard Procedures • Person overboard recovery methods
Other Skills	

FBS / FBC / Training Reference	Expected Knowledge Area
RFS Crew Leader Manual FBC Section 2	<ul style="list-style-type: none"> • Leadership & Teamwork (C/L) • Problem solving • Communications and Radio Operation • Crew Resource Management • ITASC utilized to Judges
BF / VF Manual	<ul style="list-style-type: none"> • Appropriate amount of hose deployed using S flake • Pumping Skills • Full PPE /PPC used appropriately • Safe LPG firefighting methods used
FAA Manual or Equivalent	<ul style="list-style-type: none"> • Basic First Aid (FAA)

5. Team must supply

<ul style="list-style-type: none"> • Crew to have full PPE/PPC • Life Jackets • Fire hose line/s, Pumps • Bow and stern anchors • GRN & Fire Ground radio • VHF Marine fixed or portable is highly advantageous

6. Tasks and Instructions

Start and Finish	<ul style="list-style-type: none"> ➤ Event starts when: <ul style="list-style-type: none"> ➤ Exercise Comms Radio calls Primary responding vessel with incident details. ➤ Event finishes when: <ul style="list-style-type: none"> ➤ Primary boat calls off at Staging Area or Marshall closes event due to elapsed time and advises Exercise Coms.
Individual Tasks	<ul style="list-style-type: none"> ➤ Boat 1 – Safely secures to beach, south of concrete boat ramp, including deployment of stern anchor. OIC assumes Incident Control ➤ Boat 2 – Safely secures to beach, south of boat ramp, including deployment of stern anchor. Assists as required by IC. ➤ Both crews to deploy hose lines to deal with LPG fire ➤ Both vessels to manoeuvre 5m into deeper water. ➤ Both crews to complete knapsack relay
Special Conditions	<ul style="list-style-type: none"> ➤ On given signal from judge, both firefighting vessels are to be manoeuvred from initial landing, 5m out into deeper water, utilising stern anchor lines. ➤ Both crews to complete knapsack relay.

7. Event Map



Image 1 – North-eastern section of Milsons Island.



Image 02 – Aerial view of LPG Event Area & concrete boat ramp.