

## **BATHTUB RACER'S**

### **IMPORTANT NOTICE TO ALL CONTESTANTS**

Please note that this document contains the safety and design rules that form an integral part of the events that we will run for years to come. The rules may be changed and updated periodically at the start of the racing season by the committee. They are designed to give the tub builder the freedom to have flair in their design while working within some broad rules. The whole idea is having fun with as few rules as possible.

**GRANDFATHER CLAUSE.** Will allow for amendment to the rules that may affect the legality of some of the existing tubs.

#### **RULES OF THE EVENT**

- 1) In the event of a dispute the decision of Bathtub Racer's committee will be final
- 2) The committee reserves the right to cancel or postpone the event at any time without obligation to pay out prize money or any other prizes
- 3) The bathtub committee reserves the right to publish winner's names and or photos in any publication
- 4) Any serious breach of compliance to any of the rules of the regatta will be met with summary disqualification
- 5) The bathtubs will undergo a compliance check prior to being put in the water

#### **DEFINITIONS**

"TUBBER"	Commonly known as a participant
"TUBBING"	The art racing a Tub
"TUB"	The original bathtub

#### **CLASSES**

- 1) "OPEN TUBBER": "TUBBER" must be minimum 16 years of age  
Weight restriction applies 130 KG

#### **TUB DESIGN**

- 1) The bathtub (herein after called the "TUB") may be made of any material but must be recognized to be a genuine standardized "TUB" as is readily available in NZ plumbing circles
- 2) The complete "TUB" must be intact, the rim must be exposed except at the stern. No more than 900 square cm may be removed from the "TUB"
- 3) "TUB"s may be stabilised with any material provided that the tub forms an integral part of the design, parts of old water craft, e.g. surfboards, jet ski may be used
- 4) At least 150mm of the tub wall on each side must be visible and unobstructed from the apex of the rim down. The tub must have a minimum length of 1200mm (measured on a level plane from the highest inside point at the front of the tub to the inside of the transom end of the tub). Viewed from above, at least 75% of the interior of the tub must be visible and unobstructed
- 5) "TUB" width not to exceed 1500mm including any out riggers,  
Length not to exceed 3600mm including any out riggers
- 6) All vessels must have a tow point to be securely fixed and centrally located on the bow. This should be of solid structure and capable of supporting the weight of the tub filled with water under tow
- 7) **Accessories:**

You may accessorize your TUB

Out Board Brackets: adjustable brackets are allowed but must be locked while racing  
Controls tiller extensions, maximum of 100 cm

8) **Weight Restriction:**

The weight of the tub means -tub as it finishes the race, including the tubber safety equipment less excess water and out board, but including any residual fuel

9) **Ballast**

May have to be carried to meet weight restriction. Ballast if needed must be securely attached to tub or tubber and is the tubber's responsibility

## ENGINES

- 1) The largest engine allowable is a standard 8 hp outboard motor (Max engine displacement of 180cc) or 15hp in the 15hp class.
- 2) Only hand held (Tiller) steering is permitted
- 3) Composite outboards or specially designed racing outboard motors are not permitted,
- 4) Fuel. Standard or Premium pump petrol only, with the exception of methyl hydrate (for the sole reason of removing water from the fuel)  
No additives are allowed apart from lubricating oil  
**(Nitrous oxide injection is not allowed)**
- 5) All motors must be fitted with a working kill switch and safety lanyard
- 6) Gear box must have forward neutral and reverse gears
- 7) Engine brackets must be fixed and not able to be adjusted during racing.  
(no manual or hydraulic adjusters allowed).
- 8) No addition of a doel-fin, shark-fin or horizontal wing to assist in planning are allowed.
- 9) Propeller must be a standard prop either from the manufactures or OEM supplier.  
No modifications to stock props are allowed with the exception of filing out rock chips.  
(made of aluminum only)
- 10) Max 8hp prop size 8.5" dia by 9" pitch.
- 11) Max 15hp prop size 9.5" dia by 13" pitch

## Modification Allowed

- Spark plugs may be replaced with a non-modified standard spark plugs
- Timing advance is free
- Reverse lock, neutral lock may be removed
- Air box may be removed

**IF THE RULES SAY "YOU CAN DO THIS....." YOU CAN. IF THE RULES DO NOT SAY YOU CAN DO IT, THEN ASSUME THAT YOU CANNOT UNTIL YOU CHECK**

## SAFETY RULES

- 1) Minimum age for "TUBBERS" is 16 years of age , all participants must attend a safety meeting to be held prior to the event
- 2) Junior competitors (under the age of 18 years) must be accompanied by their parent or nominated legal guardian
- 3) Following the pre race safety meeting it is the entrant's responsibility to ensure that all of his or her crew is familiar with the safety rules, weather conditions, sea conditions and any other information put forward by the bathtub committee at that time.
- 4) A minimum of a hard plastic helmet, eg (skateboard, kayak style) and correctly sized and suitable life jackets must be worn at all times when training or taking part in any event.
- 5) Kill switch lanyard must be no longer than 4 feet when full stretched and must be worn at all times. (Failure to do so will result in penalty or disqualification).

- 6) Tubber's must not be attached to the tub by any other means than the kill switch lanyard, grab handles are acceptable.
- 7) Tubbers must stick to the race course lay out for the safety of all tubbers, failure to do so will result in penalty or disqualification from the rest of the days races.  
We intend to run a professional race meeting and expect all tubers to act in likewise manner.

### **PROTESTS**

- 1) The names of the Jury will be announced at drivers briefing
- 2) All protests must be made within 30 minutes of the results being posted
- 3) Protests against the rules or eligibility of an entry must be lodged before drivers briefing, otherwise within half an hour of the posting of results in which the incident or circumstance occurred

### **DISCLAIMER**

All participants agree and accept that:

- 1) Bath tub racing may be hazardous and they enter at their own risk
- 2) Whilst the organizers or any other persons involved with the event have taken every precaution to ensure the safety of the competitors they will not be held responsible for loss or injury incurred by any person or to any equipment
- 3) The tub committee reserve the right to disqualify any tubber
- 4) Any competitor seen to be under the influence of drugs or alcohol will be prevented from racing

### **ALL RULES MUST BE READ AND SIGNED AS A CONDITION OF ENTRY**

I acknowledge that I have read and comprehend all the rules pertaining to the bathtub regatta, particularly those regarding personal safety.

**Name** \_\_\_\_\_

**Date** \_\_\_\_\_

**Signed** \_\_\_\_\_

### **POINTS OF CONTACT**

#### **Tech Building**

Gavin Osbourne 021 356 060

Mark Culley 021 924 695

#### **OBC Event / Riverhead**

Erin Marmont 021 998 655

Mark Culley 021 924 695

## **RACING RULES**

- 1) All tubbers must follow instructions of race controller at all times  
All tubbers must take action to avoid collision
- 2) Starts: It is optional as to whether a race is commenced from a jetty, beach, or by a clock or rolling start  
Audible or visual signals at, 30 seconds. Then white start flag.  
Flag raised for between 5 and 12 seconds. The start is signal by lowering the flag  
An aborted start is indicated by raising a red flag  
Clock and rolling starts will be fully described by the race controller at drivers briefing if applicable

### **3) OVERTAKING PROCEDURE**

**Overlap:** is only established when two tubs are approximately on the same course and the cockpit of the overtaking tub, must be over lapping the cockpit of the overtaken tub. The overtaking tub may not create the overlap outside of the set course

**Over taking:** An overtaking tub MUST not cut in front of an overtaken tub until a minimum distance of 1/2 a tub length is established. If two or more tubs are approaching a turn mark side by side, the tub on the inside of the turn has priority and the outer tub/s must give water and hold racing lines. Dangerous driving e.g. not holding race lines, intentional throttling back in front of overtaken tub, snaking and blocking will result in disqualification or penalty at the discretion of the race controller. A tub must not bear out of its course as to hinder another in passing to outside

If any tub collides mid-ships with another (T-bone) this will result in immediate disqualification of the offending tub from that heat

### **4) TURN AND COURSE MARKS OF THE COURSE**

1. Hitting a turn mark - no penalty
2. Missing a turn mark - penalty (concede gained place)
3. Travelling against the racing line - disqualification
4. Where two turn buoys are positioned at a mark, no racing penalty for hitting, dislodging, damaging or destroying one of the buoys
5. Where there is only one turn buoy, either because there was only one laid in the first place or because one has been taken out, disqualification or penalty. For dislodging, destroying or so damaging the turn buoy that it is no longer viable

### **5) TUBBER IN WATER**

1. When a driver is in the water on the race circuit the race is stopped immediately
2. If the driver is fit and well following an accident or breakdown they should attempt to indicate that they are not injured. If they are injured, they should sit and wait for the rescue personnel to stop the race

### **6) FINISH**

1. By passing the chequered flag or as described at drives briefing
2. When the winner of a race is determined all other competitors will finish
3. On the same lap as the winner regardless if they are laps behind

### **7) AFTER FINISHING**

After finishing, drivers must slow down, must not cross the course, must not take extra laps or other practice, must carry on round the course away from other finishing drivers and enter the pits in accordance with local instructions.

**8) FLAG SIGNALS**

1. **RED FLAG** Slow down/stop immediately and proceed with caution to the designated area as described at drivers briefing
2. **YELLOW FLAG** (stationary) CAUTION **YELLOW FLAG** (waved) IMMEDIATE CAUTION
3. **BLACK FLAG** the driver to whom the flag is shown must immediately return to the pits where he will receive instructions from a race official.
4. **GREEN FLAG** this flag may be used to indicate the start of a race/ or to indicate that the course is open for practice

**9) POST RACE MEASURING**

1. Weighing racing tubs at all meetings where weighing is required the equipment must be available at all reasonable times for tubbers to weigh their tubs
2. The margin of error is +/-0.5kg. The accuracy of the weighing equipment cannot be protested.
3. The weight of the tub means -tub as it finishes the race, including the tubber safety equipment less outboard and excess water, but including any residual fuel
4. At events any tub, at the discretion of the bath tub committee or race controller, may be weighed at the end of racing and/or between heats
5. Refusal to comply will result in disqualification
6. When an engine or any of the part of the competitor's equipment is found to not comply with the rules, the tubber may be disqualified or penalized
7. Tubs and engines subject to checking must not leave the pits until half an hour after the final results have been posted
8. Refusal by a competitor to comply with Technical Inspection will result in disqualification

**ALL RULES MUST BE READ AND SIGNED AS A CONDITION OF ENTRY**

I acknowledge that I have read and comprehend all the rules pertaining to the bathtub regatta, particularly those regarding personal safety.

Name \_\_\_\_\_

Date \_\_\_\_\_

Signed \_\_\_\_\_