



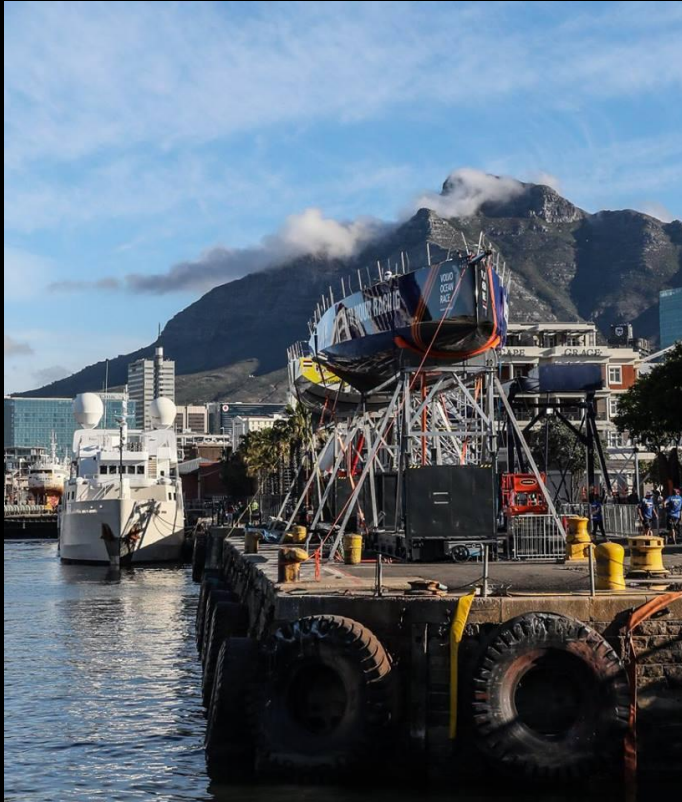
CITY OF CAPE TOWN

Cape Town Stopover Water & Plastic Management Plan

December 2017



CONTENTS



1. BACKGROUND
2. THE CHALLENGE
3. DETERMINING THE STOPOVER WATER REQUIREMENT
4. THE PLAN
5. SOLUTIONS

2017-18 VOLVO OCEAN RACE GLOBAL CAMPAIGN

- The Volvo Ocean Race 2017-8 sustainability campaign is focused on **ocean health**.
- The mission is to help **“Turn the Tide”** on rapidly growing amount of plastic pollution in the oceans.
- **Partnership** with **UN Environment Clean Seas campaign**, to amplify their key messages

VOLVO OCEAN RACE SUSTAINABILITY PILLARS

MINIMISE FOOTPRINT

Reduce, and where possible eliminate, single use plastic in race villages

MAXIMISE IMPACT

Use VOR global communications platform to increase awareness of the issue, & change attitudes and behaviour

LEAVE A REAL AND LASTING LEGACY

Unite leaders and key influencers and facilitate commitment to change and policies



Race Village Cape Town

Volvo Ocean Race 2017-18

THE CHALLENGE



- How do you reduce plastic usage when:
 - Cape Town is suffering from a water shortage, never experienced before
 - The City imposed severe water usage restrictions affecting the Volvo Ocean Race Cape Town Stopover
- In the context of the VOR Sustainability mandate and the water crisis; the V&A Waterfront & WorldSport drafted a plan to deal with challenge

DETERMINING THE STOPOVER WATER REQUIREMENT

BOATS

Washing Boats

- 1,000l per boat x 7 Boats
- 2 washes each

14,000 l

Washing Sailing Gear

- 350l per boat x 7 boats
- 3 times after racing

7,350 l

HOSPITALITY PAVILIONS

Toilets and Kitchens

- 5,000l per day x 17 days x 3 pavilions

255,000 l

Team Bases

- 7 x teammates x 2,000L per day x
- 7 days

238,000 l

VOR Equipment

- Washing of the hat is being shipped to New Zealand

20,000 l

DRINKING WATER

On-site Staff

- 747 international + local staff
- 3l per day for 17 event days

236,799 l

Race Village Visitors

- 220,000 visitors across 17 days
- 1l per day

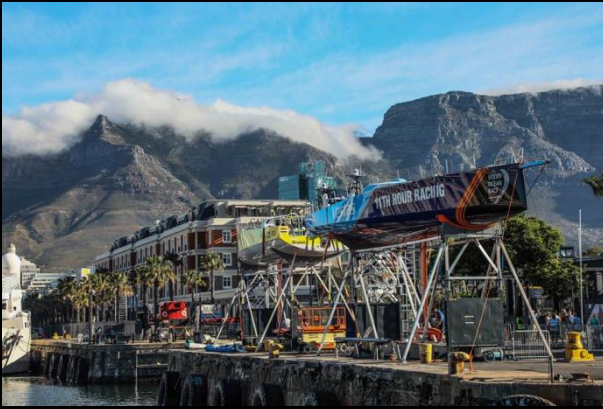
220,000 l

ESTIMATED TOTAL WATER REQUIREMENT FOR STOPOVER

991,149 l

CAPE TOWN STOPOVER WATER PLAN

Boat Yard, Haul Out, Team Bases & Floating Jetties



- The Waterfront is supplying 1000 litres square “flow tanks” at the various sites
- The tanks will be labelled as “non-potable” water.
- Four tanks will be placed at Quay 6 for the 7 yachts to share, whilst berthed on the jetties.
- Two tanks will be placed at the Team Bases Site for sharing.
- Two tanks will be placed on the Hotel Circle for hull wash down
- Two tanks will be placed at the Dry-dock for hull wash down
- The tanks will be replenished with “grey-water”

CAPE TOWN STOPOVER WATER PLAN

Pavilion Water Supply



- The Volvo Pavilion, Sailors Terrace, Dongfeng, etc. will be connected to the fresh water supply
- The freshwater will be metered and charged out to the sponsor
- The water supply limit is 2000 litres per day, and over 2000 litres attracts a legislated fine of R50 000 per infringement

CAPE TOWN STOPOVER WATER PLAN

Drinking Water



- The biggest challenge was that drinking water is largely available out of plastic bottles, however reducing plastic in the ocean is a core message from Volvo Ocean Race
- So which is a greater priority?
- We set-up a Plastic bottle recycling station
- Consol glass came on board as a partner of the recycling stand
- Consol provided 50,000 bottle units for this cause
- Race village goers could then refill their Consol bottles at a water point purification station called Blue Water

CAPE TOWN STOPOVER WATER PLAN

Drinking Water



Bluewater Activation:

- Bluewater is a water purification company that use their own patented second-generation reverse osmosis technology called Superior Osmosis™ that can purify grey water.
- 4 Bluewater units where being placed within the V&A Waterfront



RESULT

- Water required from the City is reduced from 991,149 l to only a maximum of 102,000 l

