

REFILL NOT LANDFILL AND SUSTAINABILITY AT THE SPA GROUP

BY VIRGINIA ALZINA, PH.D.





How long is your trash really with you?



450 years

3 months



6 weeks

1-5 years



200 years



450 years



450 years



2-5 years

2 months



2 months



Conscious Consumers

This is why you have to end your relationship with plastic 🙅 no plastic bottle is worth 450 years.

THE CAMPUS

ပလတ်စတစ်အနည်းဆုံးဖြင့် နေနိုင်ရန် နည်းလမ်း(၉)သွယ်

- မိမိကိုယ်ပိုင်စေ့ဝယ်အိတ်ဖြင့် ဈေးဝယ်ပါ။
- မြန်လည်အသုံးပြုနိုင်သည့် ဈေးကို သယ်ဆောင်၍အသုံးပြုပါ။
- မိမိကိုယ်ပိုင်ခွက်ကိုယူဆောင်၍ အသုံးပြုပါ။
- မိမိနေ့လည်စာကို မြန်လည်အသုံးပြုနိုင်သည့် သူများဖြင့် ထုတ်ဝါးအသုံးပြုပါ။
- တစ်ခါသုံး ဝိုက်စွန်း၊ ခေင်းမေး အစရှိသည် တို့ကို အသုံးပြုနေခြင်းများမှ ရပ်ဆိုင်းလိုက်ပါ။
- ပလတ်စတစ်ဖြင့်ပြုလုပ်ထားသည့် အိတ်များအသုံးပြုခြင်းမှ ကောက်လွှားလိုက်ပါ။
- အေးအေးသက်သာခြင်း ဆိုင်၌ စားသောက်ခြင်းကိုသာ ပြုလုပ်ပါ။
- ကျန်ရှိသည့် အစားအသောက်များကို ဓနိဘူများဖြင့်သာ သိမ်းဆည်းပါ။
- ဤနည်းလမ်းများအား မိမိ၏ သူငယ်ချင်း များကို မျှဝေအသိပေးပါ။

LESS PLASTIC. WWW.LESSPLASTIC.CO.UK

9 TIPS FOR LIVING WITH LESS PLASTIC

- Bring your own shopping bag
- Carry a reusable water bottle
- Bring your own cup
- Pack your lunch in reusable containers
- Say no to disposable straws & cutlery
- Skip the plastic produce bags
- Slow down and dine in
- Store leftovers in glass jars
- Share these tips with your friends

LESS PLASTIC. WWW.LESSPLASTIC.CO.UK

“Raise Awareness about the impact of plastics”

CAMBODIA ORIGINS

In 2015, **4,775,231 million visitors** travelled to Cambodia, staying on average for 6.8 days each.

During that time, visitors consume on average two litres of water per day, which means they have the potential to generate, **on average, 130 million plastic half-litre bottles every year**. That is more than **10 million bottles per month**, or 355,000 bottles per day = 26 Olympic swimming pools filled to the brim with plastic bottles every single year!



**355,000 bottles
like this one per
day**

Active
Go to S

SOME DATA

- Myanmar has a Clay Pot Tradition called Myay Ohh
- In April 2018: Htein Pinn landfill of 300 acres, had 150 acres burning for over two weeks, 15 years of trash, 20 feet of rubbish, low level plastic.
- One refillable aluminium bottle can lasts up to 4 years or more.
- With a lifespan of 3 years, a single bottle can replace as many as 4,380 plastic bottles.
- **4 years= 5840 bottles not ending up in the landfill**
- 2 solutions: Bottles and Water Stations
- QR code



HEALTH AND SAFETY CERTIFICATE

STQ

检验检测报告

MA
161020340021

报告编号: SZ2017090854-2R1C

日期: 2017年10月13日

页码号: 2/6

测试结果:

1. 感官测试

测试方法: 参考 GB 4806.9-2016 进行测试

测试项目	结果		指标
	1#		
感官测试*	接触食品的表面应清洁, 镀层无开 裂、剥落, 焊接部分应光洁, 无 气孔、裂纹、毛刺	感官:	接触食品的表面应清洁, 镀层不 开裂、剥落, 焊接部分应光洁, 无 气孔、裂纹、毛刺
	迁移试验所得浸液或无异臭	浸液或:	迁移试验所得浸液或不应有异臭

2. 可溶性铅、镉和砷含量

测试方法: 参考 GB 31604.49-2016, 采用电感耦合等离子体发射光谱仪(ICP-AES)进行分析

测试项目	单位	结果		指标
		1#		
可溶性铅含量	mg/kg	<0.01	0.01	0.05
可溶性镉含量	mg/kg	<0.01	0.01	0.02
可溶性砷含量	mg/kg	<0.01	0.01	0.04

备注: 未检出: 小于方法检测限
*此测试项目不在 CMA 范围内

测试部位描述:

1# 银色铝制内胆

***** 接下一页 *****

STQ Testing Services Co., Ltd.

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STQ

检验检测报告

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样品照片



产品照片



***** 报告结束 *****

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严格把关, 安全才敢放心使用

STQ

检验检测报告

MA
161020340021

报告编号: SZ2017090854-2R1C

日期: 2017年10月13日

页码号: 1/6

客户: 广州图艺数码科技有限公司
地址: 广州市白云区嘉禾街新石路9号

以下测试样品由申请人提供及确认:

样品名称: 运动水壶

测试型号: B6SH1/B6SH2

可覆盖型号: /

主要材质: 铝

生产国: 中国

到样日期: 2017年09月29日

测试周期: 2017年09月29日 - 2017年10月11日

根据 GB4806.9-2016 《食品安全国家标准 食品接触用金属材料及制品》对样品的进行如下测试:

要求:

1. 感官测试- GB 4806.9-2016

2. 可溶性铅、镉和砷含量- GB 4806.9-2016

此份报告替代原报告 SZ2017090854-2C.

结论:

合格

合格

编制:

王前

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The Project started

- All businesses have the option to brand the bottles as they choose.
- The back of the bottles feature the names (or QR code) of all of the free-of-charge water refill locations across the city
- The water stations are open to everyone: it doesn't matter what bottle they have!



CURRENT COMPANIES

THE
CAMPUS



BUILD
A BETTER
MYANMAR
FOR
ITS PEOPLE



BUILD A BETTER MYANMAR FOR ITS PEOPLE



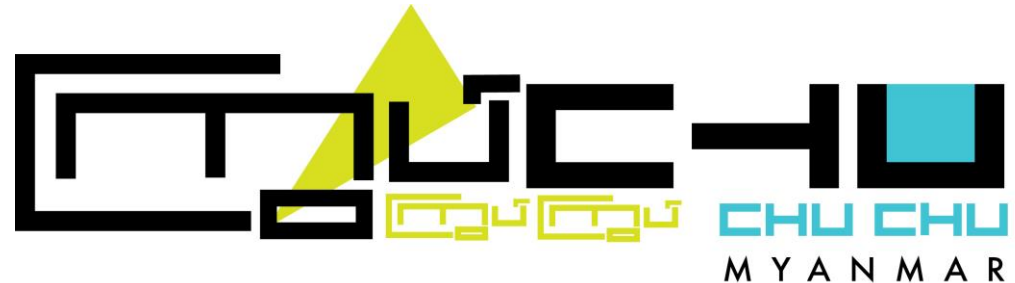
Myanmar



Volkswagen
Centre Yangon



CPCL



COMPANIES PROCESSING THE ORDER



DULWICH COLLEGE
| YANGON |



COMPANIES PROCESSING THE ORDER

JJ-PUN

BUILDING A BETTER MYANMAR FOR ITS PEOPLE

TED^x Yangon

x = independently
organized TED event

HOW CAN YOU GET INVOLVED

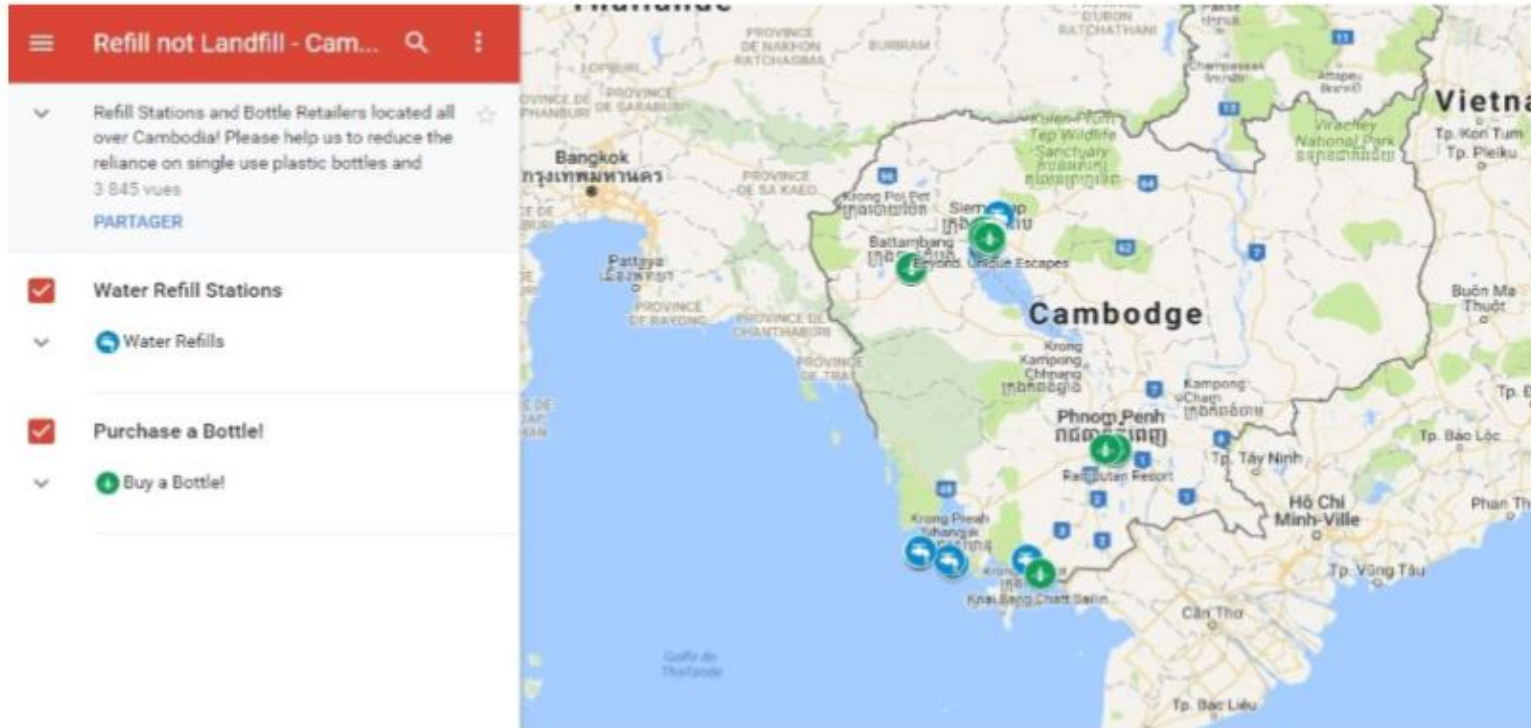
INSTALL A WATER STATION AND PRINT A SIGN “REFILL NOT LANDFILL”

- If you give free water to your staff and clients you can do this
- Only need to explain to your staff
- You will then get a spot on the map and GPS technology will attract people to your business
- In hotels and restaurants for example most people stay then for lunch, etc...

ORDER REFILLABLE BOTTLES

- You have the option to brand them as you choose
- You can sell bottles too
- Bottles cost 3,150mk each
- In Cambodia selling price is \$10 each for tourist sector, Myanmar we suggest lower price
- The back of the bottle feature the Refill NOT LANDFILL logo with the QR code of all refill stations.

THE RESULT



1/ Once you contacted the Refill Not Landfill team, your business will be displayed on the Refill Not Landfill map

[HERE](#) + THERE =

<http://www.refillcambodia.com/>

2/ You will be a part of this **REVOLUTION** towards a greener, more beautiful country and planet, for the benefit of those living and yet to be born.

HOW TO ORDER BOTTLES AND ADD A WATER STATION

- **World Environment Day**, June 5th- If you cannot Reuse it, REFUSE IT!
- RNL campaign is launched today in Myanmar, Thailand and Vietnam! Let's beat Plastic Pollution in all SEA!
- Contact: Virginia Alzina: virginiaalzina@yomastrategic.com
- 1. Confirm number of bottles you would like to order (minimum 100);
- 2. Attach your logo in PNG format,
- 3. Supplier will send you a test
- 4. Supplier will send you the invoice and you may pay via Bank Transfer;
- 5. Make 50% payment – at the time of ordering and 50% at the time of final delivery

SUSTAINABILITY IS AN OPPORTUNITY FOR IMPROVING
EFFICIENCY THUS REDUCING COSTS AND IMPACTS ON
THE ENVIRONMENT.

➤ CASE STUDY

No. of plastic bottles and cost from Oct'17 to April'18					
Entity	Time period	Number of months	Number of bottles	Total volume, L	Cost (Kyats)
FMI	Nov'17 - Feb'18	4	92	64.4	21,500
KOSPA	From Nov'17	4	0	0	0
Automotive	Nov'17 - Jan'18	3	224	70.8	23,600
JJ Pun	Oct'17-Feb'18	4	144	72	20,210
YSH	Oct'17-Feb'18	5	1,200	660	165,000
YSH Real Estate	Oct'17-Feb'18	5	600	330	82,500
YDGL	Oct'17-Apr'18	7	960	396	110,400
SPA DPS (PMS)	Dec'17-April'18	5	1,200	420	150,000
MAGT	Since April'18	1	0	0	0
Total	4 months		4420	2013.2	573,210
savings by using 20L water dispenser			100.6		60,396
600k each 20L bottle					
					SAVINGS 89.5%