

Bureau of Public Works Ministry of Public Infrastructure, Industries and Commerce

Republic of Palau





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Laws & Regulations

RPPL 7-24 "Establishing a Recycling Program

(Effective Date: October 22, 2006)

Beverage Container Recycling Regulation

(Effective Date: August 14, 2009)

MOU between Ministry of Public Infrastructure, Industries and Commerce,
 Ministry of Finance and Koror State Government (Initial Redemption Center)

(Effective Date: October 14, 2011)

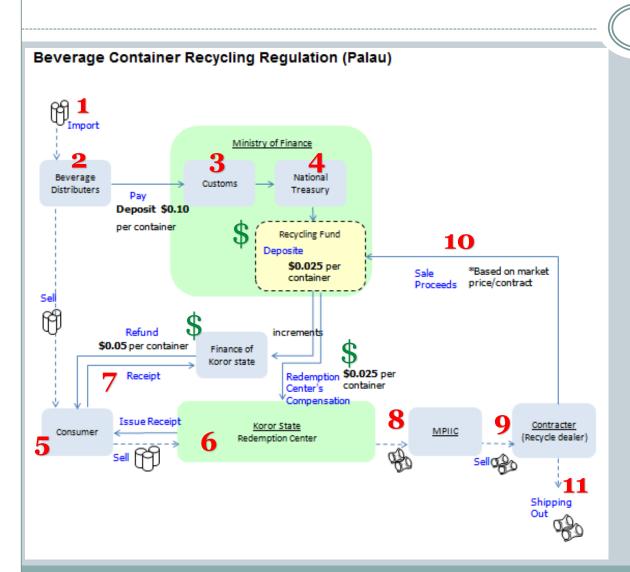
 Contract between Palau National Government and Palau Waste Company (Export)

(Effective Date: July 18, 2012)

• Contract between Palau National Government and Belau Garbage & Scrap Co. (2nd Redemption Center)

(Effective Date: November 10, 2016)

Outline of the program



- Received Imported Deposit Beverage Containers
- 2. Beverage Distributers will pay *Deposit \$0.10*/container to Customs and also sell beverage to consumer
- 3. Customs will submit payments to National Treasury (MOF)
- 4. National Treasury will distribute the *Deposit \$0.10* to Deposite, Redemption Center's Compensation, and Refund
 - \$0.025/imported container Recycling Fund
 \$0.025/redeemed container Redemption Center
 \$0.05/container Refund (Redemption Center)
- 5. Consumer will sell DBC to Redemption Center
- 6. Redemption Center will issue receipt to Consumer
- 7. Consumer then bring the receipt to Redemption Center to claim Refund
- 8. Redemption Center will compact/prepare DBC for pick up
- 9. MPIIC will sell compacted DBC to contractor
- 10. Contractor will pay to National Treasury
- 11. Last the Contractor will then ship out DBC out of Palau

Challenges Faced

RPPL No. 7-24: Passed in October 2006.

- * And it took five (5) years to start implementation.
- * Many agencies involved did not have the capacity to implement the program such as, SWM-National, SWM-KSG, Customs Office.
- * And review and approval of regulations by the leadership took longer than expected.
- How to deal with tetra-packs and army-packs.
 - * Did not know how to recycle them. Did not want to redeem them. However, these items fall under the definition of deposit beverage container so the fee applies.
- Accuracy of counts at the Redemption Center
 - * Manual counting of containers were inaccurate sometimes.
- Old containers eating up the fund.
 - * People were saving their containers until the opening of the redemption center.
- Monitoring System
 - * Poor information sharing between MOF and MPIIC

Exporting

Partnership with Local Recycling Companies

- MPIIC decided to contract out the exporting of redeemed containers to a private recycling companies for the following reasons:
 - Recycling companies already exist in Palau
 - Experience in exporting recyclable materials
 - Have the capacity in terms of tools, equipments, facilities and personnel.
 - Most importantly, this program should support private companies and promote the 3R concept.

The Contractor

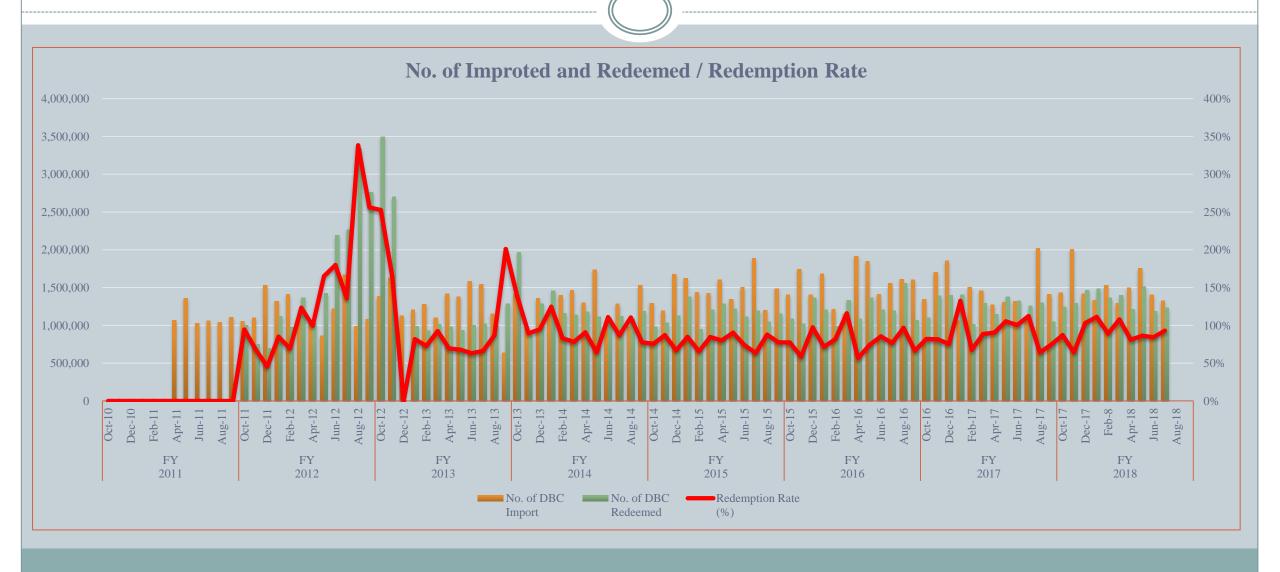
- The Contractor shall perform the following services:
 - Buy redeemed containers from the National Government.
 - Be responsible for picking up compressed redeemed containers from the Redemption Center at their own expense.
 - Ship out of Palau compressed redeemed containers (aluminum, plastics, and metals) within six (6) months after pick up from Redemption Center at its own expense.

Current Situation

Redemption Rate

FY	No. of DBC Import (A)	No. of DBC Redeemed (B)	Redemption Rate (%)
2011	6,663,590	0	0.00%
2012	14,386,027	18,925,157	131.55%
2013	15,459,266	15,369,174	99.42%
2014	15,618,616	14,678,332	93.98%
Total (2011-2014)	52,127,499	48,972,663	93.95%
2015	17,687,328	13,694,907	77.43%
2016	18,554,552	14,491,490	78.10%
2017	17,379,362	15,067,830	86.70%
2018	15,003,974	13,398,086	89.30%
Grand Total (2011-2018)	120,752,715	105,624,976	87.47%

Monthly/yearly data of import, redeemed/redemption rate



Amount of Export

◆ Total Weight(kg) of Export

FY	Aluminum	Metals	PET Bottles
2011	-	-	-
2012	125,562.60	8,020.80	66,660.50
2013	108,097.82	12,159.80	88,370.94
2014	126,667.00	13,305.50	89,636.50
Total (2011-2014)	360,327.42	33,486.10	244,667.94
2015	114,067.00	12,629.00	83,128.50
2016	120,857.50	11,288.00	91,923.00
2017	122,008.80	7,457.30	103,004.40
2018	110,248.40	13,206.00	93,961.40
Grand Total (2011-2018)	827,509.12	78,066.40	616,685.24

Summary of the DBC Fund

FY	No. of Imports	DBC Fee	Recycling Fund	Compensation	Refund
2011	6,663,590	\$ 666,359.00	\$ 166,589.75	-	-
2012	14,386,027	\$ 1,438,602.70	\$ 359,650.68	\$ 473,128.93	\$ 946,257.85
2013	15,459,266	\$ 1,545,926.60	\$ 386,481.65	\$ 384,229.35	\$ 768,458.70
2014	15,618,616	\$1,561,861.60	\$ 390,465.40	\$366,958.30	\$ 733,916.60
2015	17,687,328	\$1,768,732.80	\$442,183.20	\$342,372.68	\$684,745.35
2016	18,554,552	\$1,855,455.20	\$463,863.80	\$362,287.25	\$724,574.50
2017	17,379,362	\$1,737,936.20	\$434,484.05	\$376,695.75	\$753,391.50
2018	15,003,974	\$1,500,397.40	\$375,099.35	\$334,952.15	\$669,904.30
Grand Total	120,752,715	\$12,075,271.50	\$3,018,817.88	\$2,640,624.40	\$5,281,248.80

Accomplishments through the Recycling Fund

FY 2012 ~ Procured Used Bulldozer (\$70,000.00)

FY 2014 ~ Design/Build of the M-Dock Landfill 1st Extension Project (\$383,336.18)

~ M-Dock Landfill Leachate Catchment Basin Project (\$74,850.00)

~ Procured Flatbed Truck (\$8,195.00)

~ Hired 2 Employees (Office Administration & Coordinator)

FY 2015 ~ Procured Office car (Van(\$9,595.00)), Excavator(\$121,000.00), Shredder Unit(\$166,200.00)

~ Design/Build M-Dock Tire Shredding Facility (\$169,000.00)

~ Hired 3 Employees (Landfill Worker)

~ DSWM Operation Cost - fully funded by the Recycling Fund

FY 2016 ~ Hired 1 Employee (Asst. Educator)

FY 2017 ~ Procured New Bulldozer(\$109,500), New 5T Dump Truck(\$61,800.00)

~ Design/Build of the M-Dock Landfill 2nd Extension Project(\$800,000.00)

~ Hired 1 Employee (Landfill Worker)

~ Tire Shredding operation begins

~ In March 2017, DSWM operation cost and salaries - fully funded by the Recycling Fund

FY 2018 ~ Awarded a contract for M-Dock Landfill Ground Maintenance to a private company (October 2017)







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Thank You!

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