J-PRISM SAMOA NEWSLETTER

Promotion of Regional Initiatives on Solid Waste Management in Samoa

Highlights from October 2013—March 2014



Tributes from J-PRISM Team for our Unforgettable Late CEO

Taule'ale'ausumai Tufuisa'a La'avasa Malua

Words cannot express how genuinely sad, shocked and speechless that the Ministry of Natural Resources and Environment in Samoa faced because of the passing away of our late CEO Afioga Taule'ale'ausumai Tufuisa'a La'avasa Malua on Friday the 13th of December 2013. He's the Chairman of our JCC committee on J-PRISM Project since 2011 till he's sudden passing away. A truly kind, wonderful, understated and generous Chairman. One of the greatest, talented and sensibility leader. He worked hard on this project through our ministry to help our country in managing waste for a healthy and better living environment. He will always be remembered for his courageous, confident and fearless negotiations not only in national level but also in regional and international, he's a successful, effective and dynamic leader.













ACTIVITIES

Output 1

* Waste Minimization and segregation on urban areas

Output 2

* Weigh Bridge Operation and data analysis
* Leachate testing results
* Landfill Maintenance

Output 3

* Site Visit & Sharing knowledge

Output 1— Improvement of Waste Collection Services & Waste Minimization are implemented in the Urban Areas

Waste minimization and segregation in the urban areas



PPP Pilot Project in the Urban Areas Details

Recyclable Collection Target Area

* Rubbish Collection Zone A targeting 150 households (only households along the main road.)
* 3 hotels
* 3 Supermarkets
* 2 markets
* 1 School

Materials Provided

* 30 wheelie bins donated from Jaffa's Sanitary System to used by 2 villages to practice the segregation of waste . Wheelie bins used for general waste only
* 9 cages donated from Pacific Recycle Company to segregate cans and plastic bottles at hotels / supermarkets / markets and the school
* 1000 sacks donated from J-PRISM to use by all the selected households to pack their recyclable waste only for collection.
* Advertisement s / Notices and Talk Back on Radio and Televisions were all funded by J-PRISM to make the public aware of all the details of the pilot project

Service Provided / Schedule

* Jaffa's Sanitary System is responsible for the recyclable collection every Saturday starting from the first Saturday of November 2013 for 1 year.
* Pacific Recycle Company is responsible to empty all their distributed cages starting from November 2013 for 1 year.
* MNRE to monitor these collections and advised

Collecting & Sharing Information

* Questionnaire was distributed to the selected area to collect information about their knowledge on waste management and also their current situation.
* Pamphlets were also distributed for households information and remind them on how to segregate their waste and the schedule on days of collection of each collection.

Waste Management Section conducted a waste minimization and segregation promotion on the 1st of November 2013 through the ministry's environment week. Exchanging and sharing knowledge through displays and activities with the public who participated in the last day of the MNRE environment week at the Tupua Tamasese Efi Conference Room , also the waste bazaar at 4 designated areas for bulky and recyclable waste collection. The public was also advised to not only drop off their refused waste but it's a great opportunity to have a look at other waste drop off by the public and reused for other important activities at home. Its was a helpful activity to the public especially for the households in the Rubbish Collection Zone A which is the town area to clear their bulky wastes at their back yards. MOU was also signed between MNRE, Jaffa's Sanitary System Contractor and Pacific Recycle Company on the agreement for partnership in conducting PPP Pilot Project on Waste Minimization and Segregation in the Urban Areas.



Output 2— Landfill management capacity at Tafaigata and Vaiaata landfill is increased

Weigh Bridge Operation and Data Analysis

Weigh Bridge operation is ongoing and improved. Currently the data collected from the system was manually recorded and the staff managed to record and put it on a electronic copy for analyzing . In February 2014 J-PRISM expert Riad Mamould worked together with Faatamalii Meredith of Waste Management Section (MNRE) on Microsoft excel formulas to analyzed data from the weigh bridge . Currently Ms Meredith is continuing analyzing weights' data in a monthly basis from the weigh bridge system for waste management section's future plans and actions, also updating the counterparts meeting every month from the results of different weight from each category. (Cash / Charge / Contractors)

MONTH	CATEGORY	TOTAL DISPOSAL WASTE PER MONTH		TOTAL WASTE AMOUNT PER MONTH	TOTAL # OF TRIPS PER MONTH	TOTAL WORK-ING DAYS PER MONTH	AVERAGE WASTE PER DAY	AVERAGE TRIP PER DAY
		kg	%					
OCT 2013	CASH	242,210	39%	620,730kg	480 trips	26	23,874kg	18.5
	CHARGE	51,100	8%					
	CONTRACTORS	327,420	53%					
NOV 2013	CASH	282,180	37%	768,360kg	511 trips	26	29,522kg	19.7
	CHARGE	89,730	12%					
	CONTRACTORS	396,450	52%					
DEC 2013	CASH	183,860	33%	561,600kg	257 trips	24	23,400kg	10.7
	CHARGE	27,160	5%					
	CONTRACTORS	350,580	62%					
JAN 2014	CASH	280,530	34%	826,380 kg	446 trips	25	33,055kg	17.8
	CHARGE	74,540	9%					
	CONTRACTORS	471,310	57%					
FEB 2014	CASH	242,330	35%	684,160kg	481 trips	24	28,507kg	20.0
	CHARGE	87,980	13%					
	CONTRACTORS	353,850	52%					

Leachate Testing Results from October 2013—March 2014

Date	Sample Point	BOD	Color	Odor	Transparency	pH	DO
28/10/13	Pond	28mg/l	Light light yellow	weak	16cm	7	5
	Wetland	-	clear	nil	Over 30cm	7	6
	Borehole #3	-	Light dirty	Weak	5cm	6	4
	Borehole #4	No	s	a	m	p	le
29/11/13	Pond	30mg/l	Light light yellow	nil	14cm	7	6
	Wetland	-	clear	nil	Over 30cm	7	5
	Borehole #3	-	clear	nil	Over 30cm	6	4
	Borehole #4	No	s	a	m	p	le
13/12/13	Pond	29mg/l	Light light yellow	nil	18	8	6
	Wetland	-	clear	nil	Over 30cm	7	4
	Borehole #3	-	clear	nil	Over 30cm	6	4
	Borehole #4	No	s	a	m	p	le
31/01/14	Pond	29mg/l	clear	Nil	20cm	8	5
	Wetland	-	clear	Nil	Over 30cm	7	2
	Borehole #3	no	s	a	m	p	le
	Borehole #4	no	s	a	m	p	le
28/02/14	Pond	29mg/l	clear	Nil	20cm	7	5
	Wetland	-	clear	Nll	Over 30cm	7	3
	Borehole #3	no	s	a	m	p	le
	Borehole #4	no	s	a	m	p	le

Landfill Maintenance and Operation











Maintenance of Vaiaata Landfill was conducted in November 2013 . The Senior Landfill Officer Mr Seumanu Mikaele Teofilo, Mr Falaniko Tino a Landfill Officer and two casual workers of the Waste Management Section worked at Vaiaata Landill in the Island of Savaii to continue installations of ventilation pipes to extend the landfill.

Output 3— Experiences and lessons learnt are shared around the region

Site Visit from the ASPA in Am. Samoa





Site Visit from the Community College in Am. Samoa





Site Visit from JICA Fiji Resident Representative





Waste Management Section was pleased to guide and give all information about the waste management unit's system on how we currently manage waste especially acknowledge the assistant and cooperation from various organizations like JICA and SPREP through projects because without their help not only in finance but also in technical skills and knowledge Samoa's Waste Management does not manage as it is right now. The purpose of this output is to share knowledge on waste management. The team from ASPA is Am Samoa visited the landfill to see how Samoa manage their waste in different categories. They are looking for a better system to manage their waste. The waste management team was sharing them all the information they needed through site visit and discussions. Community College again from Am Samoa visited the landfill for students' information on how Samoa currently handle their waste. Waste team was also sharing information with the Fiji Jica Residence Representative when he stopped to discover the current situations.