









# **Inception Report 2013**

# Pacific POPs release reduction through improved management of solid and hazardous waste

April 2014



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## 1.0 Overview

The Pacific POPs release reduction through improved management of solid and hazardous waste project was developed with the aim to improve poor regional waste management, the principal source of unintentionally produced POPs (dioxins and furans) emissions in the Pacific region, and therefore help address the obligation of Stockholm Convention Parties to reduce, minimize and where feasible, eliminate dioxins and furans. An Inception Meeting to increase stakeholder awareness of the project and to build stakeholder engagement is considered a critical component of project management by the Implementing Agency. This meeting was held in November 2013.

The Project Inception Report presented here is the corresponding reporting requirement for this meeting specified in the Project Document (ProDoc)that includes a detailed narrative describing:

- i). the institutional roles and responsibilities of the project partners;
- ii). stakeholder engagement commitments;
- iii). progress on project establishment and start up activities;
- iv). a detailed project management plan;
- v). a project supervision plan; and
- vi). a monitoring and evaluation plan suitable for progress tracking purposes.

# 1.1 Introduction

Poor waste management is a major threat to sustainable development in Pacific island countries and territories (PICTs) as it has negative impacts on the region's environment, as well as on public health, water resource quality, fisheries, agriculture, tourism and quality of life in general. In particular, poor chemical and used oil management remains an ongoing and escalating problem for the Pacific region. While the use of chemicals and petroleum products is essential in the modern world, the unsound management of chemicals and petroleum products can have significant negative impacts on both the environment and public health. The financially disadvantaged (and specifically women and children) are often those most affected by these adverse impacts. This issue is often exacerbated by the failure of many Pacific island countries to successfully implement national obligations required under signature to the Stockholm Convention, or by the lack of a national framework under which chemicals can be managed systematically. A lack of technical and financial capacity within Government Departments is often cited as the major reason for this systemic failure. Pacific island country representatives have consistently highlighted the priority need for in-country activities on several aspects of improved waste and chemical management in order to increase their capacity to manage this issue.

# 1.2 The Project

Recognizing these issues, the *Pacific POPs release reduction through improved management of solid and hazardous waste* project was developed to improve poor waste management practices, the principal source of unintentionally produced POPs emissions in the Pacific region, and therefore addresses the obligation of Stockholm Convention parties to reduce, minimize and where feasible, eliminate dioxins and furan releases. In addition, the project was designed to strengthen and build the capacity of participating countries to institutionalize the implementation of their Stockholm Convention NIPs in a sustainable, effective and comprehensive manner, while building upon and contributing to strengthening country foundational capacity for the sound management of chemicals.

# 1.2.1 Project Goal

The goal of the project is to reduce the release of unintentional POPs through improved management of solid and hazardous wastes in the Pacific region. The project will assist fourteen Pacific island countries (Cook Islands, FSM, Fiji, Kiribati, Marshall Islands, Nauru, Niue, Palau, PNG, Samoa, Solomon Islands, Tonga, Tuvalu, and Vanuatu)in the establishment of sustainable national waste and chemical management strategies and systems.

# 1.2.2 Project Objective

The objective of the project is to reduce priority unintentionally produced POPs emissions arising from poor waste management practices, thus meeting Parties' Convention obligations to improve the management of chemicals in the Pacific region. This will be achieved through assistance in the development and implementation of unintentionally produced POPs reduction strategies and guidelines, vocational training of waste workers, training of Pacific island country staff in improved chemical management, and the development of a regional waste oil export and reuse system.

# 1.2.3 The Project Document (ProDoc)

The project is funded by the Global Environment Facility (GEF) and is jointly implemented by the United Nations Environment Programme (UNEP) and the UN Food and Agriculture Organization (FAO). The project was officially endorsed by Ms Monique Barbut (CEO and Chairperson of the Global Environment Facility) on the 24<sup>th</sup> July, 2012. Twelve months later, UNEP completed a Project Cooperation Agreement (PCA) on the 4<sup>th</sup> July 2013, which was signed by SPREP at that time, commencing the project. The FAO have yet to complete associated basic contracting arrangements. The SPREP Project Manager was recruited in 2012 on advice from UNEP, but was only able to commence duties on the 22<sup>nd</sup> July 2013, following release and signature of the PCA.

# 2.0 Project Inception Workshop and Steering Committee Meeting 2013

As an initial exercise to mark the implementation phase of the project, UNEP execution training was held for relevant SPREP officials at the Tanoa Skylodge, Nadi, Fiji on 19<sup>th</sup>November2013. The half- day training focused on UNEP reporting procedures and requirements, project coordination reporting and monitoring and evaluation of the project. This was followed by a two day Inception Workshop at the same venue to provide participating countries with updated contemporary project planning information since the Project Consultation workshop which was held as part of the project design phase in April 2011. The meeting was also used to reiterate and ensure full national conversance with commitments required to participate in the project and to seek endorsement of final changes to the project design since the release of the Project Document (ProDoc) in July 2012. The joint 2013 Inception Workshop and the Project Steering Committee (PSC) meetings were attended by representatives of 13 of the 14 Pacific island countries participating in the project (Cook Islands, FSM, Fiji, Kiribati, Marshall Islands, Nauru, Palau, PNG, Samoa, Solomon Islands, Tonga, Tuvalu, and Vanuatu). Niue did not attend the 2013 Inception Workshop nor the PSC.

# 2.1 PSC endorsed changes to the Project

A number of changes to the project design were endorsed by the PSC following advice and information presented by the project Executing Agency (SPREP)at the Inception Meeting. These changes were connected with the recent advances made in the Cook Islands in composting operations. This progress

has superseded the original GEFPAS pilot project design which included a Cook Island composting pilot project. Similarly, recent advances in used oil management in Samoa have highlighted the potential regional preference for utilizing used (waste) oil as a diesel extender in electrical power generation rather than recycling it offshore. Access to new (and as yet unconfirmed; March 2014) information that up to 6 small transformers may have been shipped to Jaluit Atoll (Republic of the Marshall Islands) and buried in the late 1980's has also required a revision of the original planned work detailed in the Project Document (2012). The PSC agreed changes and associated budget adjustments to the final project are summarized below (Table 1):

Table 1:Steering Committee agreed project changes and associated budget

ProDoc Budget Line	Original Activity	Steering Committee Endorsed Change	Project Document budget (\$US)	Final project budget (\$US)	Rationale for activity and budget variation
1103	Cook Island compost	No longer part of GEFPAS project	45,000	0	Cook Islands now have a composting operation in place. Budget transferred to 1226.
1222	Regional economic consultant Cook Island compost	No longer part of GEFPAS project	20,000	0	Cook Islands now have a composting operation in place. Budget transferred to 1226.
1226		Used oil extender pilot consultancy (Samoa or RMI) endorsed	0	65,000	Use of used oil as a diesel extender is a preferred use of used oil in the Pacific. There is no information on the potential environmental (uPOPs) implications of this type of use. Budget transferred from 1103 and 1222.
2105	RMI PCB analyses	RMI PCB analyses increased	0	18,000	New unconfirmed information suggests that 6 transformers are buried in RMI. Budget transferred from 4104.
4101	Cook Island compost monitoring equipment	No longer part of GEFPAS project	2,500	0	Cook Islands now have a composting operation in place. Budget transferred to 4108.
4104	PCB Field kits	PCB field kits budget reduced	20,000	2,000	Unrealistically high original budget estimate. Budget balance transferred to 2105.
4108	Used oil extender pilot consultancy (Samoa or RMI) equipment	Used oil extender pilot consultancy (Samoa or RMI) endorsed	0	2,500	Use of used oil as a diesel extender is a preferred use of used oil in the Pacific. There is no information on the potential environmental (uPOPs) implications of this type of use. Budget transferred from 4101.

# 2.2 Additional PSC Recommendations

In addition to project endorsement, a number of recommendations to potentially enhance project outputs were made by PSC members. These recommendations and the corresponding response of the Executing Agency are summarized below (Table 2):

**Table 2: PSC Recommendations** 

Steering Committee Recommendation	Recommendation made by	Executing Agency (SPREP) Response
Vocational training sessions should result in the creation of a trainer network that communicates via email.	Melanie Ashton (UNEP)	This network will be promoted by SPREP at waste management trainings to help share experience, and maintain waste management improvement momentum
The need to have linkages between the technical work under the used oil work (Component 4) and the Customs training (Component 3) need to be considered	Vaitoti Tupa (Cook Islands) Seema Deo(SPREP): Recommendation developed from discussion	This will be incorporated into Customs training modules and will also be incorporated into the Waigani training manual
The synergies between Component 4 and Component 6 connected with extended produced responsibility (EPR) will need to be addressed during the course of project implementation	Richard Thompson (FAO)	Agreed
Although working with Green Customs and Regional Customs Organizations may not be possible, there is a need to draw on their resources for the development of Customs Training material	Melanie Ashton (UNEP)	Agreed
The possibility of use of the EDF10 PacWaste project as co-finance for a new GEF VI project will need to be confirmed and formalized	David Haynes (SPREP) Melanie Ashton (UNEP)	Agreed
There is a need to develop a modality for vocational course participants to report back to SPREP in project component 2. This may be difficult, however it is essential for monitoring and evaluation purposes. Mentoring of participants does not necessarily have to be face-to-face.	Jacqueline Alvarez (BRS) Melanie Ashton (UNEP)	Reporting format developed and released in trainings carried out in 2014
Communication plans should have links to pilot projects and used oil management initiatives	Seema Deo(SPREP) Melanie Ashton (UNEP)	Agreed
UNEP and BRS to provide feedback on the project training package and related technical guidance tool kits	Melanie Ashton (UNEP)	Agreed, independent review of all training modules has been budgeted for
A budget breakdown per country on involvement/costs to be circulated as soon as possible.	Fuatino Leota (Samoa) Mavis Depaune (Nauru)	Agreed

# 3.0 Endorsed Project Activities

Following the first PSC Meeting and in accordance with the ProDoc, the following activities will be completed as components of the *Pacific POPs release reduction through improved management of solid and hazardous waste* project:

# 3.1 Component 1: Development of national uPOPs strategies and regional uPOPs reduction guidelines<sup>1</sup>

Development of regional dioxin and furan reduction guidelines and national unintentionally produced POPs management strategies will be fundamental to achieving reductions in national dioxin and furan emissions. These strategies are likely to focus on maximization of organic waste composting, minimization of waste incineration, and/or through the application of cleaner production techniques where incineration remains necessary. Regional reduction strategies will be incorporated into the revision of the Pacific Regional Waste Strategy 2010-2015, and will also be integrated where possible, into PICs' national solid waste management strategies. Critical tasks under this component include:

- i). Development of a regional strategy to reduce unintentionally produced POPs(uPOPs)emissions similar to the Pacific regional asbestos and E-waste strategies. The strategy will include a legislative element, and reference to model legislation, such as that already developed by the Government of Samoa. The regional strategy is intended to inform national strategies, and to help build donor confidence.
- ii). Development of a regional "model" legislation/regulations for unintentionally produced POPs that may be integrated into PIC legislative frameworks;
- iii). Provision of a review of existing national unintentionally produced POPs related legislation/regulations and provision of advice on potential options for revision (using the NIP as a basis for this);
- iv). Working with government counterparts to incorporate regional strategic guidance to address unintentionally produced POPs emissions into national solid waste management strategies; and
- v). Identification of key players in waste management to be targeted for outreach on sustainable approaches in waste management.

# 3.1.1 Comments on the Project Component 1 from the Meeting participants included:

**PNG representative:** inquired on whether countries should concentrate on the priority POPs **UNEP/BRS representative (Jacqueline Alvarez):** advised that a good start would be to focus on at least two priorities.

**PNG** representative: queried as to why there were more focus on controlling the chemicals, rather than building on technologies.

**UNEP/BRS representative (Jacqueline Alvarez):** advised that some countries were doing so, but there was also a need to define how one would minimize, and approaches could defer for different countries. **University of Queensland representative (Jochen Muller):** inquired as to what the inventory stated as "the sources of dioxins"?

**PNG representative:** stated that there was too much focus on air, and there was a need to start making detections on soil.

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<sup>&</sup>lt;sup>1</sup>This component was planned to be undertaken by the AFD Technical Assistant employed under the AFD/SPREP component of this project. Due to the extensive delays in completion of the projects administrative arrangements, this Officer is no longer available to work on the project, and no alternative financial or staffing resourcing arrangements have been identified by UNEP for completion of this project component.

**University of Queensland representative (Jochen Muller):** advised that one needed to test the air first before the soil.

**UNEP/BRS representative (Jacqueline Alvarez):** advised that it was good to detect the amount. **SPREP representative (FG):** stated that some countries did not have any data, and could use the 2013 data as a baseline.

# 3.2 Component 2: Training and awareness raising to improve solid and hazardous waste management

Training and awareness of improved solid and hazardous waste management is central to minimization of unintentional POPs production. This will be achieved through three complimentary project elements: vocational training (including student projects, currently funded through AFD), dissemination of lessons from regional waste management pilots, and national level awareness campaigns.

# 3.2.1 Vocational training<sup>2</sup>

Vocational training of semi-skilled waste management workers from the 14 PICs has been completed in 2013 and the first half of 2014. The two week, training-of-trainers courses on solid and hazardous waste management was funded, developed and implemented under the AFD project through Griffith University and the Fiji National University (FNU). The course modules were developed and delivered by Griffith University through a contract supervised by the AFD TA and include training units on waste management techniques, landfill management and hazardous waste management. The training course also incorporates demonstration site visits coordinated by the AFD TA. Years three and four of the course (2015-2016) will be funded under this project. A summary of course participant feedback from past courses has been presented in AFD quarterly reports. An assessment of training provider performance and potential alternatives is currently being prepared which will help guide training provision options in 2015-2016. Mechanisms to allow course graduates to report back on in-country training initiatives and to keep in contact with each other through an alumni network have been developed by SPREP to assist with ongoing student support (see Section 5.4).

# 3.2.1.1 Comments on the course to date from the Meeting participants included:

- a) The necessity to document in country training resulting from the AFD training course;
- b) The necessity for the establishment of an alumni network to assist with ongoing student support;
- c) The need to ensure that the trainings are connected with training institutions in the Pacific;
- d) The availability of the course for semi-skilled waste workers;
- e) Inclusion of POPs training (this will be done under component 3);
- f) The course materials could be used as a resource for the Pacific and globally; and
- g) Investigation of the possible synergies of Component 2 and Component 6 on Pesticide Container Management'.

# 3.2.2 Pilot waste management demonstrations

Pilots of specific waste management activities undertaken to reduce production of unintentionally produced POPs were designed during project preparation. These include composting, improved healthcare waste management and analysis of used oil PCB concentrations. Anew pilot to assess the environmental implications of the use of used oil as a diesel extender was also approved by the PSC at its first meeting.

<sup>&</sup>lt;sup>2</sup>The University of Fiji and the University of the South Pacific either lacked the capacity or were uninterested in hosting the AFD waste management course when approached by the SPREP AFD TA in July 2012.

# 3.2.2a) Healthcare pilot (Kiribati)

Healthcare waste is not well managed in Kiribati, mainly because the hospital in Tarawa (Nawerewere Hospital) has not prioritised the issue and allocated necessary resources to address it. There are serious OH&S issues with how the waste is stored, transported and handled by hospital staff, and there is a growing stockpile of (out of date) pharmaceuticals that require incineration. Excess medical waste is being burnt in the open on the beach because of the limited capacity of the existing incinerator. This pilot will compliment the current EDF10 PacWaste healthcare waste project by supplying funding for PPE and incinerator operational costs (fuel and operators salary) to achieve minimum standards of healthcare waste management at Nawerewere hospital. Specific operational details of the project will be completed when the PacWaste survey of the hospital is completed.

# 3.2.2b) Used oil combustion for power generation (Samoa)

The disposal of used-oil is a significant issue in all Pacific island countries. Typical used oil generation quantities range from around 5,000 litres per year in the smallest countries to several million litres or more per year in the largest. Some of the oil is disposed by open burning or simple incineration, generating *unintentional* POPs, and some of the oil is simply dumped. This pilot project is proposed to be run through the University of Queensland will investigate the environmental consequences of the use of used oil as a diesel extender in the generation of electrical power. Under the Stockholm Convention, Parties are obliged to minimize their releases of POPs through unintentional production via promotion of the use of best available techniques, and through promotion of the application of best environmental practices. The project will investigate any elevation in furan and dioxin production in the exhaust gas of diesel engines burning used oil in contravention with national Stockholm Convention requirements and the requirements of the Samoan Waste Management Act.

# 3.2.2c) Assessment of relic transformer PCB concentrations pilot (RMI)

In 1994, the US Environmental Protection Agency undertook a clean-up of PCB containing transformers in the Marshall Islands. Oil from the transformers was analyzed for PCB content and the contaminated oils were removed from the Marshall Islands, along with contaminated soils from the area. The empty transformer cases were crushed and buried in a concrete-lined pit on Majuro. Recent (unconfirmed) information<sup>3</sup> has indicated that up to 6 small transformers maybe have been shipped to Jaluit Atoll and buried in the late 1980's. RMIEPA has identified the need for the testing and labeling of these transformers suspected of containing PCBs as a priority area of interest for the GEFPAS project. RMIEPA staff will confirm the existence of the transformers, and if they are present, the transformers will be tested for the presence of PCBs. Any oil present in the transformers will then be appropriately disposed of.

# 3.2.2d) Composting and integrated recycling pilot (Niue)

The Niue Department of Environment has identified composting and waste separation for recycling as priority areas for unintentional POPs production minimization in Niue. There is very little waste recycling practiced in Niue, with only intermittent aluminium can recycling and some backyard composting. Green garden waste is burnt in many backyards because it is not collected as part of the weekly rubbish collection and the uptake of home composting has been minimal. The dump site is illegally set alight

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<sup>&</sup>lt;sup>3</sup> Bruce Kijiner, (pers comm.). Director, Office of Environmental Planning & Policy Coordination (OEPPC), RMI.

several times a year by unidentified persons, causing the unnecessary creation of unintentional Pops. The pilot project will consist of two separate components sharing some resources and equipment. The first will be the demonstration and evaluation of a green garden waste collection programme in the north of the island (approximately 200 households), which are situated in close proximity to the SLM farm in the north of the island. Each household will be provided with a green-waste collection bag which will be collected into a modified trailer towed behind the regular waste collection truck. The second component consists of the demonstration and evaluation of recyclable waste separation at the household and waste facility level in the south of the island (approximately 200 households). They have been targeted due to their proximity to the proposed waste transfer station in Avatele, making it easier and more cost effective for the waste collection contractor to pick up and deliver the recyclable waste to the transfer station. Each household will be provided with a recyclables separation bin. The same modified trailer used for green waste collection will be used for the collection of recyclable waste.

# 3.2.2e) Comments on the Pilot Projects from the Meeting participants included:

- a) **Palau representative**: inquired on whether there were any plans to monitor emissions from the incinerator. **SPREP representative**: advised that there were no such plans under the GEFPAS to do so, although the temperature will be monitored to ensure dioxin formation was minimized.
- b) **Kiribati representative**: shared that the Health Department saw waste as an environment issue, and there was a need to change this perception.
- c)**PNG representative:** stated that there was a need to get a regional incinerator and incinerate everything, instead of going on with this.
- d)**Cook Islands representative:** stated that the region had tried to collaborate with Australia and NZ, but at the end of it, they have had to dump out asbestos at sea. Also added that the discussion of waste has been ongoing for a longtime, with all options discussed, and it has been in a way that is most feasible for the Pacific.
- c) **Samoa representative:** stated that there was a need to develop frameworks for Public Private Partnership(PPP) at the national level, and bring together key actors at the national level.
- d) **SPREP representative:** advised that the issue of solid waste management in atolls was extremely important. He added that there were funding assistance under the EDF10, and approximately 500K for better management of solid waste in atoll countries.
- e)**Fiji representative**: commended JICA/JPRISM project, with the formulation of 3R Policy in place for Fiji which would contribute to the increase in recycling rate for Fiji.
- e)**SPREP** representative (DH): advised that in support of the GEFPAS, an air quality analysis of Fiji focusing on dioxins will be undertaken by a student based at Macquarie University.

# 3.2.3 Awareness Campaigns

A key aspect of project Component 2 is an education and awareness programme connected with unintentional POPs production which will be executed at the grass roots level (community groups, agricultural workers and farmers), provincial level (environment staff) and the Ministerial level. This will be completed in three areas:

i). National environmental education officers and other relevant staff will be assisted to develop proposals for and implement national awareness campaigns to help mainstream the prevention of unintentional POPs production. The SPREP team will be providing a generic guide for the region and with

that, draw up a regional GEFPAS communication plan that is aligned with other regional projects on solid and hazardous waste management.

ii). Student projects are anticipated to continue to be developed, funded and communicated as part of the waste management training course provision following an assessment of their efficiency in late 2014. Examples of currently funded projects are presented in Section 8.1.Mentored student projects funded through the GEFPAS project will include 1 project per country (total 14 per year) for course years 2 and 3, with each project receiving up to \$5000 in support. This is a total budget of up to \$US140,000.

iii)The Inception workshop also included a presentation by SPREP's Communication Team on communication tools that could be developed at the regional level and adopted by PICs when developing awareness packages for the project. These need to match the priority education and awareness areas of that have been identified by the countries. Examples of success stories such as the "E-Waste Project" which involved training the media on E-Waste issues, was highlighted as a good awareness model.

# **3.2.3.1** Comments on the Awareness and Education Programme from the Meeting participants included:

**PNG representative:** stated that it might be worth having a "train the trainers" for Scientists to become journalists. He added that there was a need to carefully consider the approach taken in awareness, especially in cases where it may contradict with food security, such as cases where plastic bag is being promoted to be contributing factor to POPs when burnt. He further added that for such a case, there may not be trees available in certain areas, hence they will have to resort to burning plastics, in order to cook food. He concluded that it was therefore important to target issues rather than POPs on its own.

**SPREP representative:** added that there was a need to be cautious of messages that are promoted, and the need to have it packaged in such a way that for every issue, there is an option for it.

**Cook Islands representative:** shared that in the Cooks, aside from schools, community and private sector, they were also targeting government itself, who happened to contribute to 50% of POPs Pollution. He added that communities were always asking, "how about government?", so this is now in place.

**SPREP representative:** welcomed this as an excellent approach in tackling such an issue, and advised that in most cases, governments did contribute in many ways to pollution.

**University of Queensland representative (Jochen Muller):** stated that the media could also be a dangerous player in many cases, however, he shared the same sentiments that targeting issues rather than chemicals, is important.

# 3.3 Component 3: Training in post-NIP chemical inventories, stockpile management, and safe disposal of laboratory chemicals

Chemical management remains an ongoing and escalating problem for the Pacific region. While the use of chemicals is essential in the modern world, the unsound management of chemicals can have significant negative impacts on both the environment and public health. This issue is often exacerbated by the failure of many Pacific island countries to successfully implement national obligations required under signature to the Stockholm Convention, or by the lack of a national framework under which chemicals can be managed systematically. A lack of technical and financial capacity within Government Departments is often cited as the major reason for this systemic failure. Pacific island country representatives have highlighted the priority need for in-country activities on several aspects of

hazardous waste management in order to increase their capacity to manage chemicals. Three key areas for improvement are identified: inventory development and stockpile management; management and disposal of laboratory and school chemicals; and the regulation and management of hazardous chemical imports/exports by Customs staff.

# 3.3.1 Development of chemical training and awareness materials

Development of high quality training materials to be delivered over a 2 week, intensive training period in each country is critical to the improvement of in-country chemical management.

Course materials will be developed by in-house SPREP experts, who will tailor parts of the training to be more country specific, based on information collated per country. The quality of the training materials will be independently verified prior to use in the region. The training modules and delivery will also include Component 4 training aspects on Waigani/Basel, with the training programme (to be developed) to include training/guidance for countries in developing their National uPOPs Strategies under Component 1. The delivery will be undertaken by SPREP's Hazardous Waste Adviser and two training assistants, and with that, adopting the "islanders training islanders" mode of training.

Materials developed will include:

- a. Training modules in chemical and inventory management;
- b. Training modules in laboratory chemical disposal;
- c. Training modules in Customs procedures (incorporating *Green Customs* practices) for enforcement of the Basel and Waigani Conventions;
- d. Model national guideline on chemicals management;
- e. Best practice guide to reduce chemical use and subsequent build up;
- f. Dissemination of awareness and technical guidance tool-kits for laboratories (schools, hospitals, veterinary) and other chemical storage sites for the safe management of chemicals; and
- g. Dissemination of awareness and technical guidance tool-kits for Customs areas.

# 3.3.1a) Chemical inventory management

Completion of in-country training in chemical inventory development and an enhanced inventory exercise to include new POPs and laboratory chemicals in schools, hospital and veterinary laboratories will be carried out in each country using materials developed in 3.3.1.Completion of this training will enable Pacific island environment and education department staff to develop and maintain chemical inventories to prevent build up of unused chemicals in country. The course is expected to take 3 full days, with 2 days classroom type instruction, and the third day being devoted to completing a demonstration inventory.

# 3.3.1b) Chemical handling

Completion of this training will enable Pacific island environment, hospital, customs and education department staff to recognize and safely handle and store chemicals and other dangerous goods. The course is expected to take 2 full days, with classroom type instruction and hands on identification and handling of a range of commonly used chemicals.

# 3.3.1c) Chemical disposal

Completion of this training will enable Pacific island environment, hospital and education department staff to safely undertake basic disposal of a range of commonly used laboratory chemicals. The course is expected to take 3 full days, with 2 days classroom type instruction, and the third day being devoted to practical disposal of unwanted chemicals.

# 3.3.1d) Chemical safeguarding

Completion of design and estimated cost of a regional repackaging, collection, shipping and disposal activity for disused pesticides/POPs and school chemicals, that cannot be disposed of in country will be completed in each country.

# 3.3.1e) Chemical store database

Chemical store locations and other meta-data will be compiled for each country on a regional GIS database.

# 3.3.1f)7 Train PIC Customs officers in improved chemical management procedures

Training of national Customs officers in the enforcement of national chemical regulations and preventing the importation of banned substances will be completed.

# 3.3.2 Comments on the Project Component 3 from the Meeting participants included:

**Cook Islands representative**— stated that there was a need to link with the training of Customs officers under the MP. SPREP had been unrepresented at SC/COP meetings, and recommended that since SPREP was doing the work, they should also be attending.

**UNEP/BRS representative** – advised that SPREP was a Basel Regional Centre, however this was a perfect match. She further added that there was a need for the role to be strengthened. For the chemical trainings/updates, there was a guidance already developed, hence this could be adopted to develop it.

**FAO representative:** stated that there were significant synergies with FAO's activities in the region and in other regions such as the Caribbean - particularly for sustainable chemicals management. He added that in the process of identifying the training needs, it would be important to maintain close liaison between FAO and SPREP to develop common training material.

# 3.4 Component 4: Development of a regional used oil management system

Used oil is defined as any petroleum-based or synthetic oil or fluid that, through contamination, has become unsuitable for its original purpose due to the presence of impurities or loss of original properties. Improper disposal of used oil can have major negative impacts on natural resources such as groundwater, the marine environment and soil. Used oils typically contain a range of compounds that may have adverse impacts when released into the environment. These compounds include polycyclic aromatic hydrocarbons (PAHs), heavy metals, additives and antioxidants, trace levels of chlorinated solvents, and polychlorinated biphenyls (PCBs). Sustainable used oil management requires the establishment and operation of an appropriate management framework that improves national management of used oil and promotes shared used oil management responsibility by all stakeholders.

The following actions (Table 3) will carried out in 11 countries under the GEFPAS project. These actions will build on the work in Samoa, Fiji and Vanuatu that has been completed and reported under the AFD project.

**Table 3:Used oil management actions** 

Acti	on	Intended Outcome
1.	Investigate and provide recommendations on practical and	Robust management of used oil to ensure
	environmentally and economically sustainable mechanisms to	environmental and human health protection
	dispose of used oil.	supported by adequate and enforceable regulations
2.	Develop or adopt national standards to specify quality	under the Waste Management Act 2010
	guidelines (e.g. acceptable water and impurity content) for	
	used oil end-uses.	Long term community cost savings
3.	Develop and implement a financial and regulatory instrument	
	to manage used oil based on the polluter pays principle.	The costs associated with used oil treatment/final
4.	Establish a used oil governance structure with clear separation	disposal are met by those responsible for generating
	of regulation and service delivery of used oil management	the used oil (polluter pays principal)
	activities.	
5.	Complete an audit of the quantity, generation rates and status	A comprehensive understanding of the status of used
	of used oil in each country in the region.	oil management in the region
6.	Development of a national registers of oil importation and	
	disposal data.	Improved management of used oil based on
7.	Develop national used oil management monitoring regimes	information and data
	using key performance indicators.	
8.	Collation and regular reporting of data and information relating	
	to used oil management activities.	
9.	Establish and apply appropriate standards, guidelines, and	Minimization of public health risk from substandard
	safeguards for the handling, collection, transportation, storage,	used oil management activities
	and treatment/final disposal of used oil.	
10.	Implement and enforce minimum OH&S standards for best	Minimization of environmental risk from substandard
	practices for handling and disposal of used oil (including	used oil management activities
	personal protective equipment) for all workers involved in	
	handling used oil.	Risk from exposure to used oil is minimised to
	Implement a national used oil collection and storage system.	petroleum handling workers
12.	Training for customs officers and environment staff on	Improved regulation and control of international
	detecting used oil and Waigani/Basel Convention procedures.	movements of used oil
	Undertake national used oil awareness campaigns.	Communities are informed and aware of the relative
14.	Implement regular training for workers involved in handling	risks posed by used oil
	and processing used oil	Communities are informed of best practices in used oil
		management

# 3.4.1 Comments on the Project Component 4 from the Meeting participants included:

**FAO representative:** stated that there was a synergy between Component 4 and component 6 and that both components will in all likelihood use Extended Producer Responsibility (EPR) legislation to require suppliers to fund the collection and disposal through the supply chain. He further advised that this could also apply to other waste streams such as tyres, and the component should work together with regards in developing a framework legislation that would support all the EPR obligations. He added that in larger countries, the most effective mechanism was to put the responsibility for running and funding the collection onto the suppliers, where government is left to monitor and regulate the scheme.

**AFD Technical Assistant:** welcomed this and stated that the stewardship system was an EPR system.

These have thus been noted by the project, however, will await the signatory between FAO and SPREP before this project component commences.

# 3.5 Component 5: National technical assistance for post-NIP activities

This component is co-financed by the AFD project. Funding for these student-initiated projects (to the value of \$US5000 per project) is currently offered as part of the waste management training under the AFD project. GEFPAS funds may be allocated to this activity following a positive assessment of completed AFD funded 2013 student projects. The AFD funded projects are presented in Table 4. Further details of ongoing aspects of this component are reported under report Section 5.4.

Table 4: Post NIP funded activities, 2013

Country	Funded project under AFD
Cooks Islands Improved E-waste management in Aitutaki	
Fiji	Promotion of a central recycling bank facility for Suva City
FSM	Used oil storage facilities
RMI	Eco Bags (non-plastic) awareness campaign
Solomon Islands	Eco Bag Alternative to Plastic Bags
Samoa	Minimisation of E-Waste materials disposal to landfill
Tonga	A school based composting pilot project

# 3.5.1 Comments on the Project Component 5 from the Meeting participants included:

**PNG representative:** inquired on whether the project proposals were sent to the focal point or institutions?

**AFD Technical Assistant:** stated that projects were submitted by the student/participant.

**SPREP representative (DH):** added that this was part of the course outline under component 2, with set criteria.

**Kiribati representative:** sought clarification on whether there was a deadline for this year's proposals. **AFD Technical Assistant:** advised that there was still a chance to submit. He added that according to the project document, there were 28 participants expected per year, where only the best 14 project proposals (1 per country) were chosen.

# 3.6 Component 6: Development of a system for used pesticide container management

Agriculture is an important component of the economies of many Pacific Island Countries. As agriculture, cropping and farming have intensified in the Pacific, the wide-scale use of pesticides is understood to have grown. The accumulation of used pesticide containers is now a significant problem for many Pacific island countries. This is a concern, as contaminated containers, may be re-sold and used for water and food storage with no real effort to remove residual pesticide contaminants. Component 6 of this project will implement a pilot collection and pretreatment programme for used pesticide containers in three Pacific island countries (Fiji, Samoa and Tonga) and trial the use of best-practice recycling techniques for cleaned, collected pesticide containers. This project component will be implemented by FAO, and executed by SPREP. The budget from FAO for this programme is presented in Table 5.There are five significant elements to this TCP proposal. These include:

- a. A baseline survey of the current situation in Samoa, Fiji and Tonga relating to annual pesticide container generation rates by quantifying the types and quantities imported,
- b. A feasibility and cost benefit study to determine the best triple-rinsing and container collection strategies for these countries (and the region),
- c. Completion of a review of required supporting legislative, regulatory and/or policy amendments to ensure sustainable programme funding;

- d. Development of a training and extension programme for container management for the agricultural sector (i.e. triple rinsing programme), and
- e. Implementation of a pilot program based on the best options for future management.

It should be noted that while it is envisaged that this Component will be executed by SPREP under a Letter of Agreement arrangement with FAO, at the time of writing, this was still not in place.

Table 5: Proposed used pesticide container budget

Common A Donatation	Sub-Common and	Main Common and
Component Description Consultants international	Sub Component	Main Component 72000
Container Management	36000	7 2000
Guidance (Container Collection and Recycling)	36000	
Consultants National	3000	99000
Training, education and baseline data collection	75000	
Policy and Legislation Guidance	12000	
Model Legislation Development	12000	
Contracts		15000
Export of waste plastic	15000	
Travel		117315
Consultants National	15000	
Consultants International	27625	
Consultation Workshops	52390	
Travel FAO Technical Advisor	22300	
Equipment		66000
Expendable Equipment and Supplies	6000	
Non Expendable Equipment	60000	
Salaries		62810
FAO Legal Advisor Salary	8000	
FAO Technical Advisor Salary	32000	
Finance officer salary (FAO)	22810	
General Operating Expenses		17698
General Operating Costs	17698	
Support Costs		44982
SPREP Management (10%)	44982	
Grand Total		494805

# 3.7 Component 7: Project Management

Effective project management will result in completion of the project in a timely and cost effective manner. Project management responsibilities include the establishment of structures for supervision, coordination, and implementation. These shall provide for communication mechanisms that include a clearly established schedule of meetings. A number of project administrative arrangements will assist in this process. The GEFPAS Project Management Plan articulates activities carried out over the entire project from its initiation through planning and execution.

# 3.7.1 Project Management Plan Overview

The GEFPAS project involves 14 Pacific Island Countries: Cook Islands, Federated States of Micronesia, Kiribati, Nauru, Niue, Palau, Papua New Guinea, Republic of Marshall Islands, Samoa, Solomon Islands, Tonga, Tuvalu and Vanuatu. The project objective is to reduce priority unintentional POPs emissions arising from poor waste management practices, thus meeting Pacific parties' Convention obligations to improve the management of chemicals in PICs. This will be achieved through a) provision of assistance in the development, implementation of unintentional POPs strategies and guidelines; b) provision of vocational training of waste workers, training of PIC staff in improved chemicals management, and c) the development of a regional waste oil management system.

The project has seven major components:

- 1. Development of the regional unintentional POPs prevention management strategy and guideline;
- 2. Training and awareness raising in solid and hazardous waste management;
- 3. Enhanced, post-NIP inventory, stockpile management and safe disposal strategy for unwanted pesticides (including POPs and school laboratory chemicals);
- 4. Waste oil export and reuse regional system in place;
- 5. National technical assistance for post-NIP activities;
- 6. Pesticide Container Management Development of a national used container system; and
- 7. Operation of a Project Management Unit.

# 3.7.2 Project Implementation Structure

For effective implementation purposes and proper guidance, the Project will have the following project structure:

# 3.7.3 Project Steering Committee (PSC)

The Project Steering Committee's primary role is to ensure project outputs meet programme objectives. The PSC membership includes representatives from all 14 Pacific island country project partners, representatives from SPREP, UNEP, FAO, and regional project partners. The PSC was originally conceived to meet annually over the life of the project, however funding constraints make this scenario highly unlikely. At a minimum, the PSC will meet three times over the duration of the project: at the inception workshop in 2013, at mid-term (possibly as a side event to the SPREP Meeting in 2015) and at the conclusion of the project in 2018. Other cost-effective opportunities to meet through teleconferences will also be explored.

# 3.7.4 Project Supervision and Coordination

The Director of Waste and Pollution Control, Dr David Haynes, oversees that all project objectives during the project term is met with. The Project Coordinator, Ms Lusiana Ralogaivau, supervises the implementing of all the planned activities, and is the first point of contact with the Implementing Agency (UNEP). She also ensures that all bi-annual reporting on the technical and financial aspects, together with any proposed changes are submitted to the Implementing Agency on a time. This role of the PMU unit also entails ensuring ongoing project monitoring and evaluation by the Project Coordinator, whilst a mid-term evaluation (2015) and end of term evaluation (2018) will be undertaken by independent consultants.

# 3.7.5 Project Tasks/Schedule

The project work plan is presented in Appendix 5.

# 3.7.6 Project Risk/Mitigation

As in any project, there are risks to effective and timely implementation of the tasks, which would need to be anticipated during the life-term of the project in Pacific Island Countries. Table 6 is a summary of risk and mitigation for the project (adopted from the project documents and TCP 2):

Table 6: Risks/Mitigations Summary

Risk	Level	Mitigation actions
Governments are not	Low -	Inception has already assured endorsement and commitments, however
supportive of the	Medium	the development of policies and Regional Framework that will see
of the systems in place/ change		countries official commitments assures national governments support.
in national		The Sustainability of the project will be highlighted and communicated
priorities/Sustainability aspects		throughout the different stages of all components.
SPREP unable to handover the	Medium	SPREP will take the initiative to develop the necessary linkages with
operation of the program to a		existing parties/recyclers/regional institutions to ensure that the long
local		term sustainability of the systems/trainings developed commissioning.
operator/FNU/governments		
(Used Oil System/Pesticide		
Container Management		
System/Chemical Management		
System)		
Failure to agree by PICs(national		The involvement of PICs throughout the process of development, and
level) to recommended strategy	Low	finalization of reports will be priority.
ierel, to recommended strateB,		
Injury to personnel working on	Low	Mitigation will involve compliance with appropriate OHS protocols and
project activities or to nearby		safety officer monitoring.
members of the public		
Delay in funds due to	Low	Reporting Timelines to be strictly followed, and clarified at all levels,
processes/reporting		together with familiarisation of internal processes during the
,		commencement stage. Clarifications will also be made at the early
		stages, to PICs, and will also be included in the Letter of Agreements,
		which will entail processing/reporting requirements
Project coordination becomes	Low-	On-going communication using all means such as emails/circulars and
ineffective due to lack of	Medium	also targeting bith technical and political focal points, made at all stages
cooperation among institutions		of the project should mitigate this risk.
Ferrane		
Transport units inadequate and	Low	The selected countries have sufficient transport systems and
road access difficult		adequate roads.
Variable costs for equipment or	Low	Project partners will need to work within budget, and for piloting
services exceed budget		aspects, a well-constructed contract with fixed pricing and close
allocations/exchange rates		monitoring, will help mitigate this. Contingencies will need to cover the
		exchange rate issues.
PIC government approval	Low-	With full ongoing communication/visits by project team should
systems / bottleneck	Medium	lower the risk of allowing this to delay implementation.
Materials handling equipment	Low	This is usually the case on the islands and any contractor utilized by
inadequate or unavailable		the project will be required to bring appropriate equipment to the
		island as a contract requirement.
Lack of manpower at national	Low	Local consultants and part-time technical assistants will be hired to
level, causing a delay in		assist in the flow of the project. With this, there will be more in-
implementation		country engagements to some extent for the GEFPC, to liven the
		engagement and ensure further means of assistance.
Natural Disasters causing delaws	Low	This is to be mitigated via more implementation works carried out
ratarar Disasters Causing actays	LOW	
		forward to mitigate this aspect
Natural Disasters causing delays	Low	This is to be mitigated via more implementation works carried out in the 2nd, 3rd and 4th quarters of every year. In the likely event of cyclones. Aside from that, constant communication is the way forward to mitigate this aspect.

# 3.7.7 Project Communications Management

Effective Communications will be required over the course of the project, with different approaches used for different stakeholder groups. A project communications strategy is currently being developed, and will be circulated to the National Focal Points once finalized in the first quarter of 2014. This will be used as a guideline for the education and awareness aspects of the project. Communications regarding meetings, workshops, activities to be implemented, mentoring and reporting will be made via email (official circulars or email from Project Coordinator and PMU team) to the National Focal Points/National Project Team/ and to the Implementing Agency. UNEP project templates will be adopted by PMU for bi-annual technical and financial reporting to UNEP.

# 3.7.8 Project Sustainability

The sustainability of any project is key aspect, in ensuring the success of a project. The project had incorporated aspects in the development of the project such as the following:

- a) Component 1 Development of a regional and national unintentional POPs strategy and model legislation for the purposes of sustaining it within national priorities and ensuring countries use this absorb activities within their Departments and countries
- b) Component 2 the development of vocational training modules with a regional institution, in order to have it absorbed into the curriculum in the next four years and that it continues.
- 3) Component 3 the inventory, laboratory and customs training modules will also be developed and disseminated in the same manner, with firstly a "train the trainers" component, and will be a resource for regional institutions to adopt and for SPREP and other organizations can adopt for trainings in this area.
- 4) Component 4 Development of the Extended Producer responsibility (EPR)/Stewardship for the Waste Oil Reuse System is a sustainability strategy in itself for this aspect.
- 5) Component 6 The development of an EPR system is also part of the program and should thus assist in sustaining the pesticide container management for PICs.

# 3.7.9 Project Monitoring and Evaluation

Monitoring and evaluation of the project will be verified at midterm review having, at a minimum, a rating of satisfactory and at project completion, at a minimum, satisfactory. In addition the following verifiable indicators will also be utilized: the project management plan; GEF quarterly reports; UNEP 6-monthly reports; FAO 6-monthly reports; AFD 6-monthly reports; mid-term project review, and the project completion M&E report.

**Table 7: Monitoring and Evaluation** 

Indicator	Midpoint target	End of project target	Means of verification	Frequency	Responsibility
Component 1 Minimization of unintentional POPs emissions through avoidance of incineration and the application of cleaner production techniques	<ul> <li>Review of existing national unintentional POPs related legislation and/or regulations</li> <li>Provision of advice on potential options for national regulation and legislation revisions</li> </ul>	<ul> <li>Development of a regional model legislation and /or regulations on unintentional Pops for integrated into PIC legislative frameworks</li> <li>Incorporation of regional strategic guidance to address unintentional POPs emissions into national solid waste management plans</li> <li>Incorporation of unintentional POPs strategy in regional waste management strategies</li> </ul>	Revised national solid waste management plans     Revised regional waste management strategy     National unintentional POPs regulations and/or legislation	Annual	SPREP
Increased capacities and uptake of best practices by stakeholders to minimize unintentional POPs creation in the course of solid and hazardous waste management	Vocational training program has been run twice (2015)  20 PIC trainees executing national action plans Pilots in selected PICs underway	Vocational training program has been run four times (2015 and 2016)  An additional 20 PIC trainees executing national action plans (total of 40 over 2 years)  Pilots in selected PICs completed	Waste management alumni activities     Student action plans and training reports     Lessons learnt reports from pilot sites published and shared with 14 PICs	Annual	SPREP
Component 3 PIC governments capable of developing and maintaining inventories, managing school chemicals, and safeguarding disused chemicals	Training modules in chemical and inventory management, laboratory chemical disposal, Customs procedures developed  Model national guideline and customs information on chemicals management completed and disseminated  Best practice guide and toolkit completed and disseminated  All four training modules completed in 7 PICs  Local disposal training completed in 7 PICs  Technical guidance toolkit disseminated  National chemicals management guidelines developed	Chemical store locations on geographic information system for all 14 PICs Design and cost-estimate of disposal activity complete for residual chemicals in all 14 PICs All four training modules completed in 14 PICs Local disposal training completed in 14 PICs	In-country training reports Guidance document GIS output Best practice guideline document Design and cost-estimate of stockpile disposal	Annual	SPREP
Component 4 Waste oil collection, storage, and export systems established and used oil, reused in Fiji, preventing unintentional POPs generation through burning	Complete an audit of the quantity, generation rates and status of used oil in each country  Develop and implement a financial and regulatory instrument to manage used oil based on the polluter pays principle  Establish a used oil governance	Implement a national used oil collection and storage system in each country     Collation and regular reporting of data and information relating to used oil management activities including disposal	Used oil collection and export, or collection and reuse systems functioning for each participating PIC Development of legislation for EPR for used oil management Implementation of public education program on used	Annual	SPREP

# **GEFPAS POPS REDUCTION PROJECT**

	structure with clear separation of regulation and service delivery of used oil management activities		oil and its collection		
Component 5 National technical assistance for post NIP activities	No longer being carried out due to delays in project implementation				
Component 6 Used pesticide container management, recovery and recycling strategy formulated	Baseline survey of annual pesticide container generation rates in Samoa, Tonga and Fiji     Feasibility and cost benefit study of best practice triple-rinsing and container collection strategies for the region     Completion of a review of legislative, regulatory and/or policy amendments	Development of a training and extension programme for container management     Implementation of a pilot program based on the best options for future management	Baseline survey data     Cost benefit study     Legislative review     Extension programme     Pilot programme completed	Annual	SPREP

# 4.0 Conclusion

The Project has already received great interest from the island countries, with many considering this as a framework for the NIP works, and for initiating national improvements in solid and hazardous waste management in their island countries.

Minor changes to the project have been incorporated into the 5 year project design to account for advances made over the last 3 years since the original planning meeting in 2011 and to account for the extended delay in project commencement.

# These include:

- 1. Incorporation of regional unintentional POPs planning into a regional waste management strategy;
- 2. Investigation of pollutant impacts from the use of used oil as a diesel extender;
- 3. Dropping of the Cook Islands composting trial as the work has already been completed in country
- 4. Adoption of a multi-strand education and awareness programme utilizing demonstration student projects, and regional and national education programmes;
- 5. A significant reduction in post-NIP technical assistance as this component is no longer funded;
- 6. Modification of the FAO programme to focus on improved used pesticide container management; and
- 7. Allocation of a portion of R&M finances to investigation of the distribution of DDT stockpiles in the Solomon Islands and/or Vanuatu.

Overall, the project is expected to fulfill its original objective which is to ensure systems are in place to allow PICs to meet their key obligations with regards to the Stockholm Convention on Persistent Organic Pollutants.

# APPENDIX 1:INCEPTION/PROJECT STEERING COMMITTEE MEETING WORKSHOP PROGRAMME

# Tanoa Skylodge Hotel, Nadi, Fiji 20th-22<sup>nd</sup>November, 2013

		Facilitator
08.00-08.30	Arrival and registration of participants	Lusiana Ralogaivau
08.30-10.00	Official opening Welcome addresses	Frank Griffin (SPREP)
10.00-10:15	REFRESHMENTS	
10:15-11:00	Overview of GEF-Pacific POPs Release Reduction Project  Introduction to Project Concept Project Objectives	Melanie Ashton (UNEP)
	<ul> <li>Components</li> <li>Project Management Unit</li> <li>Budget Summary</li> </ul>	David Haynes (SPREP)
11:00-11:30	Component 1  National uPOPs Strategy Process  Model Regulations on uPOPs	Frank Griffin (SPREP)  Jacqueline Alvarez (BRS)
11:30- 11:50	Component 2 - OVERVIEW	Frank Griffin (SPREP)
11:50-12:20	Component 2 - VOCATIONAL TRAINING OVERVIEW	Stan Ebelewicz (AFD)
12:20-12:40	Component 2 - Kiribati - Medical Waste	Frank Griffin (SPREP)
12:40 - 13:00	Component 2 - Niue Composting/Waste Separation	Lusiana Ralogaivau (SPREP)
13:00 - 14:00	LUNCH	
14:00 - 14:30	JICA 3R Approach	JICA
14:30 - 14:45	Component 2 - Republic of Marshall Islands - Oil Analysis	Frank Griffin(SPREP)
14:45 - 15:00	Component 2 - Used Oil Analysis	Jochen Mueller (UQ)
15:00 -15:15	Component 2 - Air Quality Analysis	Cynthia Isley
		(Macquarie University
15:15 - 15:30	REFRESHMENTS	
15:30 - 16:00	<ul> <li>Component 3 - Enhanced Post NIP (Trainings on inventories of labs, customs training, and chemical management/guideline</li> </ul>	Frank Griffin (SPREP)
16:00 -16:30	<ul> <li>Component 4 - Waste Oil Export and Reuse</li> <li>Background on AFD</li> <li>Project Update</li> </ul>	Stan Ebelewicz (AFD)
16:30 - 17:00	Discussions and Round-off	Frank Griffin
17:00 - 19:00	COFFEE MEET/NIBBLES	

# DAY 2 INCEPTION/PSC WORKSHOP

# Facilitator

8:00 - 8:20	Re-cap of Day 1	Lusiana Ralogaivau (SPREP)
8:20 -9:00	<ul> <li>Component 5 - National Technical Assistance for post-NIP activities</li> </ul>	Stan Ebelewicz (AFD)
9:00 - 9:30	<ul> <li>Component 6 - Pesticide container management/Stockpile disposal/Contaminated site management</li> </ul>	Richard Thompson (UNEP/FAO)
9:30 - 10:00	<ul> <li>Communications and Awareness         National uPOPs issue     </li> </ul>	Seema Deo (SPREP)
10.00-10:15	REFRESHMENTS	
10:15-13:00	<ul> <li>Project Steering Committee Meeting</li> <li>Work plan and Budget Summary Presentation</li> <li>Discussion</li> <li>Sign Off</li> </ul>	SPREP/UNEP/FAO/AFD
13:30 -14:30	• LUNCH	

# **APPENDIX 2: LIST OF PARTICIPANTS**

# GEFPAS POPS RELEASE REDUCTION PROJECTINCEPTION WORKSHOP

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13	Ms Carol Rovo	Vanuatu	Senior Waste Management and Pollution Control Officer
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	1	1	

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# APPENDIX 3: MINUTES OF INCEPTION/PROJECT STEERING COMMITTEE MEETING

# Day 1: 20/11/13

## Presenters:

SPREP: David Haynes (DH), Frank Griffin (FG), Lusiana Ralogaivau (LR), Meapelo

Maia (MM), Seema Deo (SD)

UNEP: Melanie Ashton (MA) FAO: Richard Thompson (RT)

AFD: Karine de Fremont (KF), AFD TA: Stanley Ebelewicz (SE)

JICA: Shiro Amano (SA)

Macquarie University: Cynthia Isley (CI)
University of Queensland: Jochen Muller (JM)

**Countries represented**: Cook Islands, Fiji, Federated States of Micronesia(FSM), Kiribati, Nauru, Palau, Papua New Guinea (PNG), Republic of Marshall Islands(RMI), Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu

Refer to Inception Report for Participant details.

## 1.0 Welcome

Opening Remarks from the following representative UNEP (MA), SPREP (DH), FAO (RT) and AFD (KD). All participants introduced themselves.

# 2.0 Overview of Project

The SPREP representative (DH) and the UNEP representative (MA) made a joint presentation on the Overview of project and objectives.

Key points discussed:

- a) The aim of the meeting was addressed, that was to bring participants up to speed with project evolution, and to allow all countries to become fully conversant with the national commitment required to participate in the project.
- b) Key project objectives reducing uPOPs arising from poor waste management practices, hence meeting International Obligations for chemical management.
- c) basis of formulation of the work plan and budget
- d) brief on the project components, as stated below:

**Component.1** – regional uPOPs strategy would be similar to regional asbestos and E-waste strategies. This would then be included in a single regional waste management strategy, and with a model legislative element. It would also be linked with the national strategies, which should result in building donor confidence.

**Component.2** – involved training and awareness and was relayed to be an important component. Training had already started in 2011, under AFD and has been well received and useful. The piloting aspects of this component were also discussed: medical waste Kiribati; used oil re-use in Samoa; composting in Niue; and oil testing in RMI. Discussed as to how sites were chosen, with special linkages to priority needs submitted by countries. It

was also highlighted that there were good synergies between EDF10 and GEF-PAS on medical waste.

**Component.3** –involved training on inventory, laboratory and customs on chemical management, thus, increasing the capacity of regional communities in the management of uPOPs.

**Component.4** – involved the setting up a used oil management system for the Pacific, where model systems were being set up. The three countries that would be involved in the development of the model systems were Fiji, Samoa and Vanuatu. The process entailed undertaking used oil audits in all PICs, cost benefit analysis, supply of waste oil equipments and regional model regulations.

**Component .5** – involved the development of project proposals, which were drawn up by the vocational trainees (Component 2), and implementation. The project would cost around USD5000 per project/country, for 4 years, and which had set criteria's for selection that linked to improving solid and hazardous waste management.

**Component .6**- involved the management of used pesticide containers, with emphasis on obtaining baseline information, and providing training in best practice, setting up a model policy and regulations, and pilot collection in Samoa, Tonga and Fiji, on triple rinsing.

**Component .7**- brief on the Project Management Unit, and their role as managers and providing technical assistance to the project.

# Discussion:

**PNG representative**: sought clarification on the used oil component, and whether the adding of waste oil to the diesel fuel would contribute to the air pollution burden, and with that adding new POPs to the environment.

**SPREP representative (DH)**: advised that if the engine had a catalytic converter and scrubber, theoretically, it should not produce dioxin emissions.

# 3.0 Component 1 – National uPOPs Strategy

The SPREP representative (FG) and UNEP/BRS representative (JA) made a collaborative presentation on the Development of the Regional uPOPs Strategy, with direct linkages to the National Implementation Plan for the Stockholm Convention.

The UNEP/BRS representative (JA) provided a brief on unintentional POPs, Dioxins, Furans, Polychlorinated Biphenyls, Hexachlorobenzene and other POPs as per Annex C of the Stockholm Convention on POPs). She stated that Dioxins and furans were measured indirectly through a Toolkit (2005), and through assessment of quantity which were then multiplied by the emission factor. She further advised that the new inventory of uPOPs would compare 2005 results with 2013 results, and for countries to note that there was a new toolkit in place, with a different emission factor, that is the 2013 version (http://toolkit.pops.int). She added that the NIPS UPDATE Project required baseline to be reestimated/re-calculated, and further advised that inventories should be revised every four years.

## Discussion:

**PNG representative:** inquired on whether countries should concentrate on the priority POPs

**UNEP/BRS** representative (Jacqueline Alvarez): advised that a good start would be to focus on at least two priorities.

**PNG representative:** queried as to why there were more focus on controlling the chemicals, rather than building on technologies.

**UNEP/BRS representative :** advised that some countries were doing so, but there was also a need to define how one would minimize, and approaches could defer for different countries.

**University of Queensland representative :** inquired as to what the inventory stated as "the sources of dioxins"?

**PNG representative:** stated that there was too much focus on air, and there was a need to start making detections on soil.

**University of Queensland representative :** advised that one needed to test the air first before the soil.

**UNEP/BRS representative:** advised that it was good to detect the amount.

**SPREP representative(FG):** stated that some countries did not have any data, and could use the 2013 data as a baseline.

# 4.0 Component 2 – Vocational training / Pilot Sites

# 4.1 Vocational Training

AFD Technical Assistant: advised on the training currently being undertaken through the AFD funding, which would then be continued in 2015-2016 using the GEFPAS funding. He added that there were CDs available of the two vocational training modules - (waste management and landfill management). The Hazardous waste management, would then be added by FG. Training nominees were required to submit a project proposal, prior to the training. These were then worked on during the training, with the final proposal then submitted to SPREP for approval and funding. Module delivery dates in 2014: 3-14 Feb 2014 (Module 1); 7-18 July 2014 (Module 2).

## Discussion:

**UNEP/BRS representative:** asked as to what was the modality for understanding how many train-the-trainers had occurred in each country?

**PNG representative**: asked as to how the training was connected with the training institutions? He added that although this was more relevant for train-the-trainers, PICs have had trainings going on in-country in similar areas, and whether invitations were sent to universities? He further advised that the training approach should be looked into and that there was a need to ensure it was well absorbed.

**UNEP representative:** questioned the eligibility criteria, which required holding a degree, and added that the training was intended for semi-skilled workers. She then questioned as to how the project measured how effective the trainings that had already taken place.

**Tonga representative:** stated that being a former participant, there were no modality for reporting back to SPREP on training activities undertaken at home. However, SPREP could use PIC Ministerial annual reports to gauge what training had been conducted.

**Samoa representative:** welcomed the partnership, however, stating that Samoa had a problem with the Globally Harmonized System (GHS). She then questioned as to how Samoa could synergize the relevant provisions of the three Conventions, which all have obligations to manage the life-cycle of chemicals, thus having a more holistic approach.

**SPREP representative(FG):** in response, stated that this was currently being addressed, for e.g. with Kiribati, they had started working towards synergizing the reporting requirements.

**UNEP/BRS** representative: sought clarification on the modules developed? She added that since there were new POPs with recycling provisions, how would they get incorporated into the training. JA then questioned as to whether the trainings were long-term, and if there were aspects of sustainability being adopted, with any modality for updating.

**AFD Technical Assistant:** in response, stated, that the modules were developed in 2012, and run for 2 weeks.

**SPREP representative(DH)**: advised that SPREP would build on the hazardous waste in the uPOPs programme, and that the whole training concept involved local Universities for the purposes of ensuring that the courses were offered locally in the longer term. He further advised that the overlying concept of the current criteria set for participants was to train the trainers

**Tonga representative**: stated that being a former participant, the material was applicable to waste management issues, and was broad and could be used to customize to any area of waste.

**SPREP representative (DH)**: stated that the materials developed could now be used as a resource for the Pacific and globally.

**FAO** representative: inquired on whether there was a possibility of exploring synergies between component 2 and component 6, for example, awareness and training on triple rinsing and packaging waste. **SPREP** representative (**DH**): advised that this was possible.

**FAO representative:** stated that getting pesticides issues mainstreamed was important in breaking down silos of agriculture and environment. He added that the University of Cape Town currently runs a distance learning Diploma in Pesticide Risk Management that was widening its remit into other areas - there could be an opportunity for synergies in combining training materials (**contact**: Andrea Rather andrea.rother@uct.ac.za, Centre for Occupational and Environmental Health Research Cape town, South Africa).**AFD Technical Assistant:** indicated that review only occurred in response to feedbacks from participants.

**UNEP/BRS representative:** inquired on the possibility of adoption of the materials in other regions, and whether there were likely opportunities for doing training in other regions. **DH:** stated that manuals and CDs were public documents, and could be used by anyone. **SE:** added that to date, there had been queries on the adoption of these by Indonesia and Jamaica.

**FSM representative**: stated that the status of Waste Management in FSM was still at its initial stage, and training had been quite relevant. She added that it might be worth noting that there were alot of trainings going on in-country, and countries were tied up with these.

**Nauru representative**: stated that there were too many trainings, and questioned whether there was a measure to gauge whether the training were effective?

**Tonga representative**: stated that the effectiveness of such trainings could be gauged using Ministerial annual reports, which should reflect the number of trainings held in country after the train the trainers.

# 4.2 Kiribati Pilot Project on Health Care Waste Management

The SPREP representative (FG) provided a brief on the pilot project outline of Kiribati

Key points discussed:

- Many expired pharmaceuticals on the island.
- Not enough fuel to operate the incinerator 24/7.
- Too much waste left un-separated, therefore over-loading the incinerator.

## Discussion:

**Palau representative:** inquired on whether there were plans to monitor the emissions from the incinerator.

**SPREP representative(DH):** advised that were no such plans under programme to do so, although temperature was monitored to ensure dioxin formation was minimized.

**Kiribati representative:** shared that the Health Department saw waste as an environment issue, and there was a need to change this perception.

# 4.3 NIUE Pilot project on composting and waste segregation

The SPREP representative(LR) provided a brief on NIUE piloting.

Key points discussed:

 Niue to pilot composting and waste segregation, for the purposes of having an enhanced waste management system, thus contributing to reducing uPOPs.

Discussion:

**PNG representative:** stated that there was a need to get a regional incinerator and incinerate everything, instead of going on with this.

**Cook Islands representative:** stated that the region had tried to collaborate with Australia and NZ, but at the end of it, they have had to dump out asbestos at sea. Also added that the discussion of waste has been ongoing for a longtime, with all options discussed, and it has been in a way that is most feasible for the Pacific.

**Samoa representative:** stated that there was a need to develop frameworks for Public Private Partnership (PPP) at the national level, and bring together key actors at the national level.

# 4.4 JPRISM 3R PROJECT BRIEF

The JICA representative presented on the work of the J-PRISM project.

Key points discussed:

Special focus of the project were on the following:

- Return recyclables and difficult waste and
- return organic waste to nature.

The two "Returns", were then added to the 3Rs.

Discussion:

**SPREP representative (DH):** advised that the issue of solid waste management in atolls was extremely important. There funding allocation under the EDF10, and approximately 500K for better management of solid waste in atoll countries.

**Fiji representative**: commended JICA/JPRISM project, with the formulation of 3R Policy in place for Fiji which would contribute the increase in recycling rate for Fiji.

# 4.5 Marshalls Island Oil Analysis project

The SPREP representative (FG) provided a brief on the project.

Key points discussed:

• Testing and identification of PCB-containing transformers if these are still present in RMI. Local advice and follow up missions will confirm this.

# 4.6 Monitoring of Environmental Impacts of combustion of Used Oil

The University of Queensland representative (JM) provided a brief on the monitoring of environmental impacts of used oil.

Key points discussed:

- Man who made DDT got a Nobel Prize. Used to treat people at the end of the year as a de-lousing agent.
- Until the late 70's, dioxins were known to be by-products of organic processes. In late 70's, dioxins were detected in fly-ash from incinerators.
- Contaminants in used oil: chlorine, PCBs; chlorinated paraffins. Different types of fuels have different types of emissions.
- In FSM, Two mechanisms to remove pollutants: Catalytic oxidation (destroys gas phase), and absorption/scrubber (requires disposal somewhere else). Small amount – but not really if it is capturing significant emissions.
- Trying to answer the question of whether burning of waste oil as a fuel extender is a source of dioxins?

Project would entail collection of samples from stack and ambient air transect. Have different fuels going in. Sample collection would be carefully planned. In the end, the project hoped to:

- Analyze for particles and dioxin-like chemicals
- Determine emissions factors
- Contribute data to 'UNEP Toolkit'

## Discussion:

**UNEP representative:** inquired on the number of sampling events and whether there was any testing undertaken at the incinerator.

# 4.7 Fiji Air Quality Analysis project

The representative of Macquarie University (CI) presented on the project that was still under consideration by the Department of Environment, and that is, the air quality analysis of Fiji.

Key points discussed:

The project would entail undertaking continuous air samples for dioxins. This project is not part of the GEFPAS project, but has significant potential synergies.

# Discussion:

**UNEP representative**: inquired if a report could be provided on dioxin results during the project. **Macquarie University representative**: advised that a report will be provided in this regard.

**SPREP representative (SD)**: recommended that the project undertake some interviews on this as this was good for communications of POPs. She added that the student approach in sharing messages about POPs were more preferable as they were simple and easily understood.

# 5.0 Component 3: Enhanced post-NIP

The SPREP representative (FG) provided a brief summary on the chemical training components, which were based on the needs raised by the countries.

# Discussion:

**Cook Islands representative:** stated that there was a need to link with the training of Customs officers under the MP. SPREP had been unrepresented at SC/COP meetings, and recommended that since SPREP was doing the work, they should also be attending.

**SPREP** representative (**FG**): advised that SPREP was a Basel Regional Centre, however this was a perfect match. She added that there was a need for the role to be strengthened. For the chemical trainings/updates, there was a guidance already developed, hence this could be adopted to develop it.

**FAO representative:** stated that there were significant synergies with FAO's activities in the region and in other regions such as the Caribbean, particularly for sustainable chemicals management. He added that in the process of identifying the training needs, it would be important to maintain close liaison between FAO and SPREP to develop common training material.

# 6.0 Component 4: Waste oil Export and Reuse

AFD Technical Assistant provided a brief on the Waste Oil Export and Reuse which was already underway since 2011 through the AFD Project.

# Key Points discussed:

- There are audits for oil in Fiji, Samoa and Vanuatu.
- Background paper on used oil stewardship system
- Cost benefit Analysis for Vanuatu Fiji and Samoa

## Discussion:

**FAO** representative: stated that there was a synergy between Component 4 and component 6 and that both components will in all likelihood use Extended Producer Responsibility (EPR) legislation to require suppliers to fund the collection and disposal through the supply chain. He further advised that this could also apply to other waste streams such as tyres, and the component should work together with regards in developing a framework legislation that would support all the EPR obligations. He added that in larger countries, the most effective mechanism was to put the responsibility for running and funding the collection onto the suppliers, where government is left to monitor and regulate the scheme.

**AFD Technical Assistant**: welcomed this and stated that the stewardship system was an EPR system.

## 7.0 Component 5: National Technical Assistance for post-NIP activities

The AFD Technical Assistant provided a brief on the project proposals that were part of the outcome of the vocational trainings (Component 2) which supported this component.5K x 14 = 70k per year for projects by training participants.

## Discussion:

**PNG representative:** questioned whether the project proposals were sent to the focal point or institutions?

**AFD Technical Assistant:** stated that projects were submitted by the student/participant. **SPREP representative (DH):** added that this was part of the course outline under component 2, with set criteria.

**Kiribati representative:** sought clarification on whether there was a deadline for this year's proposals.

**AFD Technical Assistant:** advised that there was still a chance to submit. He added that according to the project document, there were 28 participants expected per year, where only the best 14 project proposals (1 per country) were chosen.

# 8.0 Component 6: Improved Regional pesticide management

FAO representative presented on the FAO Component. (refer to Annex 4 for the presentation)

Key points discussed:

- Disposal component had already been addressed with co-finance obsolete pesticides from Samoa have already been disposed of.
- Contaminated sites:

Baseline investigations into contaminated soils in Fiji, Niue and Tonga indicated levels less than NZ guidelines for intervention, so not considered a priority. However the risk to drinking water in Niue has not been assessed. Contaminated sites may be present in Solomon Islands and Yap.

Under the baseline M&E budget SPREP would assess the sites in Yap and Solomon Islands, and the well in Niue, to determine whether they were priorities for intervention.

However, if these sites were found not to represent a risk, the workshop agreed that the focus of the component should be redirected to building sustainable container management in Fiji, Samoa and Tonga.

## 9.0 Communications and Awareness (under Component 2)

The SPREP representative (SD) presented on communication tools that could be adopted by PICs when developing awareness packages for the project.

Key points discussed:

Examples of success stories such as "E-Waste Project" which involved training the media on E Wastes. Recommended a "Media Seminar for POPs".

Points to consider in terms of communication and awareness packages for POPs

Discussion:

**PNG representative:** stated that it might be worth having a "train the trainers" for Scientists to become journalists. He added that there was a need to carefully consider the approach taken in awareness, especially in cases where it may contradict with food security, such as cases where plastic bag is being promoted to be contributing factor to POPs when burnt. He added that for such a case, there may not be trees available in certain areas, hence they will have to resort to burning plastics, in order to cook food. He concluded that it was therefore important to target issues rather than POPs on its own.

**SPREP representative (SD):** stated that it was important to always address an alternative, in any case.

# **PROJECT**

**SPREP representative (FG):** added that there was a need to be cautious of messages that are promoted, and the need to have it packaged in such a way that for every issue, there is an option for it.

**Cook Islands representative:** shared that in the Cook Islands, aside from schools, community and private sector, they were also targeting government itself, who happened to contribute to 50% of POPs Pollution. He added that communities were always asking, "how about government?", so this is now in place.

**SPREP representative (SD):** welcomed the approach in tackling such an issue, and advised that in most cases, governments did contribute in many ways to pollution.

**University of Queensland representative:** stated that the media could also be a dangerous player in many cases, however, he shared the same sentiments that targeting issues rather than chemicals is important.

# 10.0 Steering Committee Meeting

The SPREP representatives provided a brief on work plan and budget, together with the proposed budgetary changes. (Refer to Annex 4)

Discussion:

**SPREP representative (DH):** stated that there were some reallocations made due to activities that have happened since 2011.

**PNG representative:** inquired as to whether the funds were reallocated to SPREP.

**SPREP representative (DH):** clarified that the funds would be reallocated to other priority project activities, not to SPREP.

**Fiji representative:** sought clarification on the recent advertisement for a local consultant for oil officer in Fiji.

**SPREP representative (DH):** advised that the AFD requirements would not allow a fulltime officer position, but only as a local consultant.

**Tonga representative:** stated that there was a need for countries to put in place legislations to cut back on waste oil.

**Samoa representative:** requested a budget allocation per country, and added that Samoa would not support the endorsement as they needed to re-look at their priorities.

**Nauru representative:** agreed with Samoa on the budget per country request, as it would help with the planning of yearly activities.

**SPREP representative (FG):** advised that countries must note that funds would not be channeled directly to countries, however, the allocated funds would be in the form of assistance to them via trainings, etc.

**Kiribati representative:** advised that Kiribati was keen to see the project have impacts on the ground.

**Cook Islands representative:** stated that the senior officials of each country were are aware of these programs, and had officially endorsed these at the recent SPREP meeting. Hence the participants should have noted all these before attending such meetings.

**SPREP representative (FG):** advised that countries would need to re-look at their priorities and provide the PMU with updates.

**SPREP representative (LR):** advised that the breakdown of budget which showed country assistance, was included in their folders and was also circulated before the workshop. She added that it was best to update the priorities based on the 2011 priorities that were set, instead of coming up with a whole new set of priorities. (refer to "GEFPAS POPS RELEASE REDUCTION REPORT - WORKSHOP REPORT, 2011")

Motion was finally moved to endorse the work plan and budget, with the revised changes, with no final objections. **Agreed by acclamation.** 

# PROJECT MANAGEMENT RECOMMENDATIONS:

- The linkages between the technical work under the used oil work (Component 4) and the Customs training (Component 2) need to be considered.
- The synergies between Component 4 and Component 6 on the EPR aspects will need to be addressed during the course of implementation.
- Although working with Green Customs and Regional Customs Orgs may not be possible, there was a need to draw on their resources for the development of Customs Training material.
- The possibility of EDF10 as co-finance for a new GEF VI project would need to be confirmed and formalized.
- The need to develop a modality in Component 2, for vocational course participants to report back to SPREP. This may be difficult, as stated, however it is essential for monitoring and evaluation purposes. Mentoring does not have to be face-to-face.
- Communication plans should have links to pilots and oil activities.
- Vocational training sessions should result in the creation of a trainer network, that communicates via email. It is facilitated by SPREP, with aims to share experience, maintain momentum etc.
- University of Queensland representative's (JM) work can contribute data to the 'UNEP Toolkit.' Please send as soon as available.
- UNEP and BRS to provide feedback on training package, and technical guidance tool kits, once developed.
- The Project Management Unit at SPREP to provide a breakdown per country on involvement/costs.

	Appendix - 4 : RECONCILIATION B				T ALLOCATIO					000	, · ·		LOCATION E	Y CALENDA	R YEAR	
t c	of funding (noting whether cash or in-kind): of expenditure against UNEP budget codes	1 US\$	US\$	3 US\$	4 US\$	5 US\$	6 US\$	7 US\$	M&E US\$	Total US\$	Year 1 US\$		Year 3 US\$			Total US\$
)	line Description PERSONNEL COMPONENT															
00	Project personnel 1101 GEF PAS PO	Ι	1		1	1	ı	295,000	65,000	360,000	60,000	120,000	120,000	60,000	0	360,000
	1102 AFD TA 1103 Cook Islands Composting officer		0							0	0	0	0	0	0	(
	1104 Niue recyclable waste separators		15,000							15,000	0	5,000	5,000 10,000	5,000	0	15,000
	1105 Kiribati health care waste management officer (2 years part time)  1106 Kiribati incinerator operator		20,000							20,000	0	5,000	5,000	5,000	5,000	20,000
	1107 PNG Oil officer (half time) 1108 Samoa Oil officer (full time, GoS paying half)				40,000					40,000	0	10,000	20,000	10,000	0	40,000
	1109 Fiji Oil officer (half time)									0	0	0	0	0	0	
	1110 Nauru uPOPs officer (full time, four years) 1199 Sub-total	0	55,000	0	40,000	0	0	295,000	65,000	455,000	60,000	150,000	160,000	80,000	5,000	455,000
200	Consultants 1201 Niue National Consultant - risk prioritization		_		Ι					0	0	0	0	0	0	
	1202 National container management specialist (Samoa)									0	0	0	0	0	0	(
	1203 National obslete stocks specialist (Samoa) Subtotal local task teams	0	0	0	0	0		0	0	0	0	0	0	0	0	0
- 1	1221 Regional training mentor 1222 Regional economic consultant Cook Islands compost		0							0	0	0	0	0	0	
	1223 Regional composting consultant (Niue)		20,000	80,000						20,000	0	20,000		0	0	20,000
	1224   Regional chemicals training consultant			20,000						80,000 20,000	0	40,000 20,000	40,000	0	0	80,000 20,000
	1226 Samoa used oil extender consultant Subtotal regional consultants	0	65,000 85,000	100,000	0	0	0	0	0	65,000 185,000	0	65,000 145,000	40,000	0	0	65,000 185,000
	1251 Int training expert									0	0	0	0	0	0	(
	1252 International PCB consultant 1253 International HCWM consultant		8,000							8,000	0	000,8		0	0	8,000
	1254 Lead international chemicals consultant 1255 Customs regional guideline consultant	25,000		46,000						25,000 46,000	0	25,000 46,000	0	0	0	25,000 46,000
	1256 Waste audit consultant			40,000						40,000	0	0	0	0	0	40,000
	1257 Economic/regulatory consultant 1258 Oil export and management handbook consultant			-						0	0	0	0	0	0	(
	1259 Waste oil facility audit consultant 1260 Environmental Management Plan consultant				100,000				40,000	140,000	0	140,000	0	0	0	140,000
	1261 Pesticide safe-guarding expert									0	0	0	0	0	0	,
	1262 Container management specialist 1263 Technical plastics consultance	<del>-</del>								0	0	0	0	0	0	(
	1264 Disposal contract and project design specialist									0	0	0	0	0	0	
	1265 FAO Technical specialist Subtotal international consultants	25,000	8,000	46,000	100,000	0	0	0	40,000	219,000	0	219,000	0	0	0	219,000
300	1299 Sub-total Administrative Support	25,000	93,000	146,000	100,000	0	0	0	40,000	404,000	0	364,000	40,000	0	0	404,000
	1301 Support staff									0	0	0	0	0	0	
500	1399   Sub-total   Travel on Official business	0	0	0	0		0	0	0	0	0	0	0	0		0
	1601 Travel management / AFD TA and GEF PAS PO		15.000	14,000	2,640				30,000	46,640	20,000	10,000 5,000	10,000	6,640	0	46,640 15,000
	1621 Travel local task teams 1622 Travel regional experts and DSA		45,000	75,000						15,000 120,000	5,000 0	000,00	60,000	0	0	120,000
	1623 Travel international experts and DSA  1699 Sub-total	0	35,000 95,000	5,000 94,000		0		0	30.000	65,000 246,640	25.000	35,000 110,000	30,000 105,000	6,640	0	65,000 246,640
	Component total	25,000	243,000	240,000	167,640	0	0	295,000	135,000	1,105,640	85,000	624,000	305,000	86,640	5,000	1,105,640
:0	SUBCONTRACTS 2101 Subcontract for vocational training execution		300,000	1					ı —	300,000	0	75,000	150,000	75,000	0	300,000
	2102 National awareness raising allocation based on proposals		230,000							230,000 2,500	0	115,000		0	0	230,000
	2103 Niue Islands Compost Sample analysis 2104 Niue waste collection contractor		2,500 5,000							5,000	0	2,500 2,500	2,500	0	0	2,500 5,000
	2105 Marshall Islands PCB site assessment 2106 First oil shipment from 11 PICs		18,000		110,000					18,000 110,000	0	18,000	110,000	0	0	110,000
	2107 Waste oil storage facilities				152,000					152,000	0	152,000	0	0	0	152,000
	2108 Assessment of waste oil export options for Palau, FSM, Marshalls (completion of baseline info)								10,000	10,000	0	10,000	0	0	0	10,000
	2109 Completion of contamination baseline 2110 Completion of contamination baseline								10,000 20,000	10,000 20,000	0	10,000	0	0	0	10,000 20,000
	2111 Niue remediation contract 2199 Sub-total	0	555,500	0	262,000	0	0		40.000	857,500	0	405.000	377.500	75.000		857.500
999	Component total	0	_				0	0	40,000	857,500	0		377,500		0	857,500
200	TRAINING COMPONENT Group Training															
	3201 National vocationtal training, by ToT trainees									0	0	0	0	0	0	(
	3202 Marshall Islands PCB testing training 3203 Pacific Regional Customs Officer training									0	0	0	0	0	0	
	3204 Inventory training in each PIC													0		120,000
	3205 Customs training in each PIC			120,000						120,000 120,000	0	60,000	60,000	0	0	
	3205 Customs training in each PIC 3206 Laboratoy training in each PIC			120,000 120,000 120,000						120,000 120,000 120,000	0	000,00 000,00 000,00	60,000 60,000	0	0 0	120,000
	3206 Laboratoy training in each PIC 3207 Abridged chemicals training for Niue and Nauru			120,000	120,000					120,000	0	60,000	60,000 60,000	0	0 0 0 0	120,000
0.0	3206 Laboratoy training in each PIC 3207 Abridged chemicals training for Niue and Nauru 3208 Waigani Convention training workshops (x3) 3299 Sub-total	0	0	120,000	120,000	0	0	0	0	120,000 120,000 0	0	000,00 000,00 0	60,000 60,000 0 0 60,000	0 0 0	0 0 0 0	120,000
100	3206 Laborator training in each PIC 3207 Abritage chemicals training for Nine and Nauru 3208 Waigani Convention training workshops (x3) 3209 Sub-otol Meeting Conferences 3301 Inception workshop	0		120,000	120,000	0	0	0	000,000	120,000 120,000 0 120,000 480,000	0 0	60,000 60,000 0 60,000 240,000	60,000 60,000 0 60,000 115	0 0 0 0 0 0 0	0 0 0 0 0	120,000 120,000 (120,000 480,000
100	3206 Laboratoy training in each PIC 2007 Abridged chemicals training for Nius and Nauru 2208 Waigani Convention training workshops (x3) 2209 Sub-toard Westing/Conferences 3301 Inception workshop 3301 Inception workshop 3302 Ministerial wareness raining luncheons	0	2,800	120,000	120,000	0	0	0	90,000	120,000 120,000 0 120,000 480,000 90,000 2,800	0 0 0 0 0	60,000 60,000 0 60,000 240,000 0 1,400	60,000 60,000 0 60,000 115 0	0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	120,000 120,000 120,000 480,000 90,000 2,800
00	3206 Laboratoy training in each PIC 3207 Abridged chemicals training for Nise and Nauru 3208 Walgans Convention training workshops (x3) 3209 Sabs-tord Meetings/conferences 3301 Inception workshop 3302 Ministerial waveness raining luncheons 3303 Nise national workshop on composting and recycling 3303 Nise national workshop on composting and recycling 3303 Michael Satural workshop and Composting and recycling 3304 Chemicals strategy workshops; 13 PICS	0		120,000	120,000	0	0	0	90,000	120,000 120,000 0 120,000 480,000 90,000 2,800 2,000	0 0 0 0 0	60,000 60,000 0 60,000 240,000 0 1,400 2,000	60,000 60,000 0 60,000 115 0 1,400 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	120,000 120,000 (120,000 480,000 90,000 2,800 26,000
00	3206 [Laboratoy training in each PIC ] 3207 [Abrieged chemicals training for Nise and Nauru ] 3208 [Waigant Convention training workshops (£3) ] 3209 [Sub-tout] Meetings/conferences ] 3301 [Inception workshop ] 3302 [Ministerial awareness raining luncheons ] 3303 [Nise and workshop or morphologies of recycling ]	0	2,800 2,000	120,000 120,000 360,000	120,000 120,000 55,000	0	0	0		120,000 120,000 0 120,000 480,000 90,000 2,800 2,000	90,000	60,000 60,000 0 60,000 240,000 0 1,400 2,000	60,000 60,000 0 60,000 115 0 1,400 0 27,500	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	120,000 120,000 120,000 480,000 90,000 2,800 2,000
99	3206 [Laboratoy training in each PIC 3207 Abridged chemicals training for Nise and Nauru 3208 [Waigani Convention training workshops (£3) 3299 Sub-tout Meetings/conferences 3301 [Inception workshop 3302 [Ministerial awareness raising luncheons 3303 [Nise relational workshop on composing and recycling Chemicals strategy workshops 1.3 PICs 3305 [Waste oil standard stateholder workshops 3309 [Sub-tout] Component total	0	2,800 2,000	120,000 120,000 360,000 26,000	120,000 120,000 55,000	0	0	0	90,000	120,000 120,000 0 120,000 480,000 90,000 2,800 2,000 26,000 55,000	90,000	60,000 60,000 0 60,000 240,000 0 1,400 2,000 26,000 27,500	60,000 60,000 0 60,000 115 0 1,400 0 27,500 28,900	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	120,000 120,000 (120,000 480,000 90,000 2,800 26,000 55,000
99	3206 [ Laboratoy training in each PIC ] 3207 [Abridged chemicals training for Nise and Nauru   3208 [ Waigani Convention training workshops (£3)   3299 [ Sub-tond   Meetings/conferences   3302 [ Inception workshop   3302 [ Ministerial awareness raising luncheons   3303 [ Nine national workshop on composting and recycling   3304 [ Chemicals strategy workshops 1.3 PIC   3305 [ Waster oil standard stakeholder workshops   3309 [ Waster oil standard stakeholder workshops   3309 [ Sub-tond   Component total   EQUIPMENT COMPONENT	0	2,800 2,000 4,800	120,000 120,000 360,000 26,000	120,000 120,000 55,000	0	0		90,000	120,000 120,000 0 120,000 480,000 90,000 2,800 2,000 26,000 55,000 175,800	90,000 0 0 90,000 0 0	60,000 60,000 0 60,000 240,000 0 1,400 2,000 26,000 27,500 56,900	60,000 60,000 0 60,000 115 0 1,400 0 27,500 28,900	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	120,000 120,000 (120,000 480,000 90,000 2,800 26,000 55,000
99	3206   Laboratoy training in each PIC 3207   Abridged chemicals training for Nise and Naru 3208   Waigani Convention training workshops (x3) 3209   Sab-tond    Meeting/conferences   3301   Inception workshops   3302   Nise training workshops   3303   Nise training workshop   3303   Nise training workshop   3304   Chemicals strategy workshop   3304   Chemicals strategy workshop   3305   Waste off national stakeholder workshops   3309   Sab-tond   Component total   Component to	0	2,800 2,000 4,800 4,800	120,000 120,000 360,000 26,000 386,000	120,000 120,000 55,000	0	0		90,000	120,000 120,000 0 120,000 480,000 2,800 2,000 26,000 55,000 175,800	90,000	60,000 60,000 0 60,000 240,000 0 1,400 2,000 26,000 27,500 296,900	60,000 60,000 0 0 60,000 115 0 1,400 0 0 27,500 28,900 29,015	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	120,000 120,000 (120,000 480,000 90,000 2,800 2,000 26,000 55,000 175,800
99	3206   Laboratoy training in each PIC	0 0 0	2,800 2,000 4,800 4,800 1,000 4,000	120,000 120,000 360,000 26,000 386,000	120,000 120,000 55,000	0	0		90,000	120,000 120,000 120,000 480,000 90,000 2,800 26,000 55,000 175,800 655,800 0 1,000 4,000	90,000 90,000 0 0 0 0 0 0 0 1,000 4,000	60,000 60,000 0 0 60,000 240,000 1,400 2,000 27,500 27,500 296,900	60,000 60,000 0 0 60,000 115 0 1,400 0 27,500 28,900 29,015	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	120,000 120,000 (120,000 (120,000 480,000 90,000 2,000 2,000 25,000 175,800 655,800
99	Alberton training in each PIC	0 0	2,800 2,000 4,800 4,800	120,000 120,000 360,000 26,000 386,000	120,000 120,000 55,000	0	0		90,000	120,000 120,000 0 120,000 480,000 90,000 2,800 2,000 26,000 175,800 655,800	90,000 0 90,000 0 0 0 90,000	60,000 60,000 0 60,000 240,000 0 1,400 2,000 26,000 27,500 296,900	60,000 60,000 00 60,000 115 0 1,400 0 27,500 28,900 29,015	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	120,000 120,000 (120,000 480,000 90,000 2,800 2,000 26,000 55,000 655,800
199	3206   Laboratoy training in each PIC	0 0	2,800 2,000 4,800 4,800 1,000 4,000	120,000 120,000 360,000 26,000 386,000	120,000 120,000 55,000	0	0		90,000	120,000 120,000 120,000 480,000 90,000 2,800 26,000 55,000 175,800 655,800 0 1,000 4,000	90,000 0 0 0 0 0 0 0 0 0 90,000 90,000 1,000 4,000 0 0	60,000 60,000 000 000 240,000 1,400 2,000 27,500 56,900 296,900 0 0 0 0 3,000	60,000 60,000 60,000 0 60,000 115 0 1,400 0 27,500 28,900 29,015	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	120,000 120,000 (120,000 (120,000 480,000 90,000 2,000 2,000 25,000 175,800 655,800
99	Alberton training in each PIC	0	2,800 2,000 4,800 4,800 0 1,000 4,000 2,000	120,000 120,000 360,000 26,000 386,000	120,000 120,000 55,000	0 0 0	0		90,000	120,000 120,000 120,000 480,000 9,000 2,000 2,000 175,800 0 1,000 4,000 0 1,000 0 12,000 0 12,000	90,000 90,000 90,000 0 0 90,000 1,000 4,000 0	60,000 60,000 0 60,000 240,000 0 1,400 2,000 27,500 27,500 0 0 0 0 3,000 0 3,000 0 2500	60,000 60,000 0 0 0 0 0 0 0 0 115 0 0 1,400 0 22,500 22,900 29,015 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 3,000	120,006 120,006 120,006 120,006 90,006 2,006 2,006 175,800 655,800 ( 1,006 4,006 ( 12,006 ( 1
99	3206 [Laboratoy training in each PIC 3207 [Abrigade Chemicals training for Nise and Naturu 3208 [Walgant Convention training workshops (cd) 3299 Sub-toud 4209 Sub-toud 42	0	2,800 2,000 4,800 4,800 1,000 4,000 2,000	120,000 120,000 360,000 26,000 386,000	120,000 120,000 55,000	0 0	0 0 0		90,000	120,000 120,000 120,000 120,000 480,000 90,000 2,000 26,000 55,000 175,800 655,800 1,000 4,000 4,000 0,000	90,000 0 0 0 0 0 0 0 0 0 90,000 90,000 1,000 4,000 0 0	60,000 60,000 000 000 240,000 1,400 2,000 27,500 56,900 296,900 0 0 0 0 3,000	60,000 60,000 0 0 0 0 0 0 0 0 115 0 0 1,400 0 22,500 22,900 29,015 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	120,000 120,000 120,000 120,000 480,000 90,000 2,800 25,000 55,000 175,800 655,800
99	3206   Laboratoy training in each PIC   3207   Abridged chemicals training for Nise and Naru   3208   Waigant Convention training workshops (c3)   3299   Sub-tool   3209   Sub-tool   3301   Inception workshops (c4)   3302   Maisterial awareness raining luncheons   3303   Nise national workshops na composting and recycling   3304   Chemicals strategy workshops (c4)   3206   Water off national stakeholder workshops   3207   Water off national stakeholder workshops   3209   Sub-tool   3200   Sub-	0	2,800 2,000 4,800 4,800 1,000 4,000 2,000 21,500 22,000	120,000 120,000 360,000 26,000 386,000	120,000 120,000 55,000	0	0		90,000	120,000 120,000 120,000 480,000 90,000 2,800 2,000 25,000 175,800 0 1,000 4,000 0 12,000 0 12,000 0 12,000 0 12,000 0 12,000	90,000 90,000 0 0 90,000 0 0 90,000 90,000 4,000 0 0 0 0 0 0 0 0 0 0 0 0	60,000 60,000 60,000 240,000 1,400 2,000 27,500 56,900 0 0 0 0 2,000 0 0 2,000 0 0 2,000 0 0 0	60,000 60,000 0 0,000 0 0,000 0 0,000 0 0 0 0,000 0 0 27,500 28,900 29,015	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 3,000	120,000 120,000 120,000 120,000 90,000 2,000 2,000 55,000 175,800 1,000 4,000 2,000 ( 12,000 2,0
99 0 00	3206   Laboratoy training in each PIC   3207   Abridged chemicals training for Nise and Naru   3208   Waigant Convention training workshops (c3)   3299   Sub-tool   3209   Sub-tool   3209   Sub-tool   3200   Inception workshops (c3)   3201   Inception workshop   3202   Sub-tool   3203   Nise national workshop on composting and recycling   3204   Chemicals strategy workshops (c3)   3206   Water oil national stakeholder workshops   3207   Water oil national stakeholder workshops   3209   Sub-tool   3200   Sub-too	0	2,800 2,000 4,800 4,800 1,000 2,000 21,500 22,000 22,000 22,000 22,000 22,000 22,000	120,000 120,000 360,000 26,000 386,000	120,000 120,000 55,000 175,000	0 0 0	0		90,000	120,000 120,000 120,000 480,000 2,000 2,000 2,000 55,000 175,800 4,000 0 1,000 0 1,000 0 1,000 0 2,000 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 0	90,000 90,000 0 90,000 0 90,000 0 1,000 4,000 0 0 0 0 0 0 0 0 0 0 0 0	60,000 60,000 60,000 240,000 1,400 2,000 25,000 27,500 0 0 0 0 0 3,000 0 3,000 0 2500 0 22,000 22,000	60,000 60,000 0 60,000 0 0 1155 0 1,400 0 22,900 22,900 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3,000 3,000 0 3,000 0 0 0	120,000 120,000 (120,000 480,000 2,800 2,800 25,000 55,000 55,800 (1,000 4,000 2,000 (12,000 (
99	3206 [Laboratoy training in each PIC 2027 [Abrigate Chemicals training for Nise and Naturu 2020 [Margani Convention training workshops (cd) 3299 Sub-toud 2020 [Sub-toud 2020] [Abrigate Chemicals training workshops (cd) 3303 [Inception workshop 3303 [Inception 3303 [Inception 2020] [Abrigate Chemicals strategy workshops 1.3 PIC 3303 [Nise trainal workshop on composing and recycling 3305 [Waste oil authoris 42] [Abrigate Chemicals strategy workshops 1.3 PIC 3305 [Waste oil authoris 42] [Abrigate Chemicals strategy workshops 1.3 PIC 3305 [Waste oil authoris 42] [Abrigate Chemicals Strategy workshops 1.3 PIC 3305 [Waste oil authoris 42] [Abrigate Chemicals Strategy workshops 1.3 PIC 3305 [Waste oil authoris 42] [Abrigate Chemicals Strategy workshops 1.3 PIC 3305 [Waste Oil 10] [Abrigate Chemicals Strategy workshops 1.3 PIC 32] [Waste Chemicals Strategy workshops 1.3 PIC 32] [Waste Chemicals Strategy workshops 1.3 PIC 32] [Waste Chemicals Strategy and a strategy enument equipment 1.3 PIC 3305 PIC 32] [Waste Chemicals Strategy and a strategy enument equipment 1.3 PIC 3205	0	2,8000 2,0000 4,8000 4,8000 1,0000 1,0000 2,0000 25000 22,5000 22,5000 22,5000	120,000 120,000 360,000 26,000 386,000	120,000 120,000 55,000 175,000	0	0	0	90,000	120,000 120,000 120,000 480,000 2,000 2,000 55,000 175,800 1,000 4,000 0 12,000 0 12,000 2,000 2,000 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 0 0	90,000 90,000 90,000 90,000 1,000 4,000 0 0 0 0 0 0 0 0 0 0 0 0	60,000 60,000 0 60,000 240,000 0 1,400 2,000 27,500 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	60,000 60,000 0 60,000 0 0 1155 0 1,400 0 22,900 22,900 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 3,000	120,000 120,000 120,000 120,000 2,000 2,000 2,000 55,000 175,800 4,000 2,000 4,000 2,000 2,000 2,000 2,000 2,000 55,000 5
99	3206   Laboratoy training in each PIC   3207   Abridged chemicals training for Nise and Naturu   3208   Waigani Convention training workshops (cd)   3209   Sub-toud   3301   Inception workshop   3302   Ministerial awareness raining lunchens   3303   Nise national workshop on composing and recycling   3303   Nise and aniamal stakeholder workshops   3305   Waste of latanian stakeholder workshops   3305   Waste of latanian stakeholder workshops   3309   Sub-toud   400   Sub-toud   400   Sub-toud   401   Sub-toud   402   Nise composition training stakeholder workshops   403   Nise recyclable waste his   4102   Nise composition training stakeholder   4103   Nise recyclable waste his   4104   Field test the (CRIs)   4105   Marshall Islandes quill list and safety equipment   4106   Incinerator fuel   4107   Sub-toud   4108   Sines accord of eartenier compliant equipment   4109   Sub-toud   4209   Sub-toud   4200   Sub-toud	0	2,800 2,000 4,800 1,000 4,000 2,000 21,500 22,500 22,500 44,000	120,000 120,000 360,000 26,000 386,000	120,000 120,000 55,000 175,000	0	U	0	90,000	120,000 120,000 120,000 480,000 90,000 2,000 2,000 55,000 655,800 0 1,75,800 0 1,000 0 0 0 12,000 0 12,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 0 2,000 0 2,000 0 2,000 0 4,000 0 0 2,000 0 4,000 0 0 2,000 0 4,000 0 0 4,000 0 0 2,000 0 4,000 0 0 4,000 0 0 0 0 0 0 0 0 0	90,000 90,000 0 90,000 0 90,000 0 1,000 4,000 0 0 0 0 0 0 0 0 0 0 0 0	60,000 60,000 60,000 24,000 24,000 2,000 25,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0	60,000 60,000 0 60,000 0 0 1155 0 1,400 0 22,900 22,900 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3,000 3,000 0 3,000 0 0 0	120,000 120,000 120,000 120,000 120,000 2,000 2,000 25,000 175,800 1,000
1999 10 100 100 100	3206   Laboratoy training in each PIC   3207   Abridged chemicals training for Nise and Naru   3208   Waigant Convention training workshops (cd)   3299   Sub-board   3302   Minesterial awareness raising luncheons   3303   Nine tainab workshop on composing and recycling   3303   Nine tainab workshop on composing and recycling   3304   Chemicals strategy workshops (13 PICs   3305   Waste of latanian stakeholder workshops   3309   Waste of latanian stakeholder workshops   3309   Sub-toof   400   Waste of the latanian stakeholder workshops   3309   Waste of latanian stakeholder workshops   401   Waste of the latanian stakeholder workshops   402   Waste of the latanian stakeholder workshops   403   Waste of latanian stakeholder workshops   404   Waste of latanian stakeholder workshops   405   Waste of latanian stakeholder workshops   406   Waste of latanian stakeholder workshops   407   Waste of latanian stakeholder workshops   408   Waste of latanian stakeholder   409   Waste of latanian stakeholder   400   Waste of latanian stakeholder   400   Waste of latanian stakeholder consultation groups   400   Waste of latanian stakeholder consultation stakeholder   400   Waste of latanian stakeholder consultation stakeh	0	2,800 2,000 4,800 4,800 1,000 2,000 21,500 22,000 22,000 22,000 22,000 22,000 22,000	120,000 120,000 360,000 26,000 386,000	120,000 120,000 55,000 175,000	0	U	0	90,000	120,000 120,000 120,000 480,000 2,000 2,000 2,000 55,000 175,800 4,000 0 1,000 0 1,000 0 1,000 0 2,000 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 0	90,000 90,000 0 90,000 0 90,000 0 1,000 4,000 0 0 0 0 0 0 0 0 0 0 0 0	60,000 60,000 60,000 240,000 1,400 2,000 25,000 27,500 0 0 0 0 0 3,000 0 3,000 0 2500 0 22,000 22,000	60,000 60,000 0 60,000 0 0 1155 0 1,400 0 22,900 22,900 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3,000 3,000 0 3,000 0 0 0	120,000 120,000 (120,000 480,000 2,800 2,800 25,000 55,000 55,800 (1,000 4,000 2,000 (12,000 (
1999 10 100 100 100	3206   Laboratory training in each PIC	0	2,800 2,000 4,800 4,800 1,000 12,000 2,000 21,500 22,500 44,000	220,00000 364,000 26,0000 364,000 364,000 364,000	120,000 120,000 55,000 175,000	0	U	0	90,000	120,000 120,000 120,000 480,000 90,000 2,000 2,000 26,000 55,000 175,800 0 1,000 0 1,000 0 2,000 2,000 2,000 0 122,000 0 122,000 0 124,000 0 124,000 0 124,000 0 124,000 0 124,000 0 124,000 0 124,000 0 125,000 0 126,000 0 127,000 0 128,0	90,000 90,000	60,000 60	60,000 60,000 60,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3,000 3,000 0 3,000 0 0 0	120,000 120,00
1999 10 100 100 100	3206   Laboratoy training in each PIC   3207   Abridged chemicals training for Nise and Narru   3208   Waigani Convention training workshops (cd)   3209   Sub-toud   3301   Inception workshop   3302   Ministerial awareness raining lunchens   3303   Nise rational workshop on composing and recycling   3303   Nise and and workshop on composing and recycling   3305   Waste of latanian stakeholder workshops   3309   Waste of latanian stakeholder workshops   3400   Cook islands composite mountain   4101   Cook islands composite mountains   4102   Nise composite the (Child)   4103   Nise recyclable waste bins   4104   Pield test for (Pill)   4105   Marshall Islands spill lists and safety equipment   4106   Incinerior fuel   4107   Nise compositing rainer workshops   4108   Same and of extender consultant equipment   4109   Nise compositing train and material separation facility   4209   Sisse and of extender consultant equipment   4201   Nise compositing training manuals   4202   Thermoscopie   4209   Sisse located	0	2,8000 2,000 4,800 4,800 1,000 2,000 21,500 22,500 44,000 44,000 500 500 500 500	220,00000 364,000 26,0000 364,000 364,000 364,000	120,000 120,000 55,000 175,000	0	U	0	90,000	120,000 120,000 120,000 480,000 480,000 2,000 2,000 55,000 175,000 655,000 0 1,000 0 1,000 0 0 1,000 0 2,000 2,000 0 4,000 0 0 1,000 0 0 0 0 0 0 0 0 0 0 0 0 0	90,000 90	60,000 60	6,000 6,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3,000 3,000 0 3,000 0 0 0	120,000 120,000 120,000 120,000 120,000 120,000 120,000 120,000 175,800 1,000 175,800 1,00
199 100 100 100 100	3206   Laboratoy training in each PIC   3207   Abridged chemicals training for Nise and Narru   3208   Waigani Convention training workshops (cd)   3209   Sub-toud   3302   Ministerial awareness raining luncheons   3303   Inception workshop   3303   Nise training workshops (cd)   3303   Nise and aniamal stakeholder workshops   3305   Waste oil national stakeholder workshops   3305   Waste oil national stakeholder workshops   3309   Sub-toud   3300   Sub-toud   3400   Sub-toud	0	2,8000 2,000 4,800 4,800 1,000 2,000 21,500 22,500 44,000 44,000 500 500 500 500	26,000 26,000 26,000 26,000 20,000	120,000 120,000 55,000 55,000 175,000	0	U	0	90,000	120,000 120,000 120,000 480,000 480,000 2,000 2,000 55,000 175,800 655,800 0 1,000 0 1,000 0 0 1,000 0 0 2,000 0 2,000 0 0 0 0 0 0 0 0 0	90,000  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	60,00000 60,00	6,000 (6,000 (7,000) (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000) (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000) (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3,000 3,000 0 3,000 0 0 0	120,000 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
99 0 00 00	3206   Laboratory training in each PIC	0	2,800 2,900 4,800 4,800 1,900 2,900 12,900 22,500 22,500 44,000 8,360 500 500	26,000 26,000 26,000 26,000 20,000	120,000 120,000 55,000 55,000 175,000	0	0	0	90,000	120,000 120,000 120,000 480,000 90,000 2,000 2,000 55,000 175,800 1,000 4,000 0 120,000 2,000 2,000 2,000 1,	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	60,0000 0 0,0000 0 1,40000 0 1,40000 0 2,50000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6,000 (6,000 (7,000) (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000) (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000) (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000 (7,000)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3,000 3,000 0 3,000 0 0 0	120,000,000
99 00 00 00	3206   Laboratory training in each PIC	0	2,800 2,900 4,800 4,800 1,900 2,900 12,900 22,500 22,500 44,000 8,360 500 500	26,000 26,000 26,000 26,000 20,000	120,0000 120,000 55,0000 55,0000 0 0 0 0	0	0	0	90,000	120,000  120,000	90,000 90,000 0 0 0 0 0 0 0 0	60,00000 0,000000 0,0000000000000000000	6,000 6,000	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3,000 3,000 0 3,000 0 0 0	120,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
199	3206   Laboratory training in each PIC	0	2,800 2,900 4,800 4,800 1,900 2,900 12,900 22,500 22,500 44,000 8,360 500 500	26,000 26,000 26,000 26,000 20,000	128,000 128,000 55,000 0 0 0 0 0 0 0	0	0	0	0,000 90,000 0 0 0 0 0	120,000 120,00	90,000 90	60,00000000000000000000000000000000000	60,000 (60,000 (70,000) (70,000 (70,000 (70,000 (70,000 (70,000 (70,000 (70,000 (70,00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 3,000 0 0 0 0 0 0 3,000 0 0 0 0 0 0	120,000,000,000,000,000,000,000,000,000,
199	Albertant praining in each PIC	0	2,800 2,900 4,800 4,800 1,900 2,900 12,900 22,500 22,500 44,000 8,360 500 500	26,000 26,000 26,000 26,000 20,000	128,000 128,000 55,000 0 0 0 0 0 0 0	0	0	0	90,000 90,000 0 0 0 0 15,000	128,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	60,000 60	60,000 (60,000 (70,000) (70,000 (70,000 (70,000 (70,000 (70,000 (70,000 (70,000 (70,00	0.000	0 0 3,000 0 3,000 0 0 3,000 0 0 0 0 0 0	120,000 400 400 400 400 400 400 400 400 40
199 100 199 199 100 100	Auto-   Auto	0 0 0	2,000000000000000000000000000000000000	26,000000000000000000000000000000000000	120,000 120,00	0 0 0 0	0	0 0 0 0	90,000 90,000 0 0 0 0 0 0 0 0,000 0,000 0,000 0,000 0,000	128,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000000000000000000000000000000000	60,000 60	60,000 (60,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 3,000 3,000 0 0 3,000 0 0 0 0 0 0 0	120,000 400 400 400 400 400 400 400 400 40
199 100 199 199 100 100	3206   Laboratory training in each PIC	0 0 0	2,000000000000000000000000000000000000	26,000000000000000000000000000000000000	120,000 120,00	0 0 0 0	0	0 0 0	90,000 90,000 0 0 0 0 0 0 0 0 0 0 0 0 0	120,000 120,00	90,000	60,000 60	60,000 (60,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 3,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0	120,000,000,000,000,000,000,000,000,000,

# **GEFPAS POPS REDUCTION PROJECT**

	Appendix 5: Workplan and Timetable																											Щ	╨	Ш	Ш	Ш	Ш	Ш
				Year						Year	2					Yea	r3		_			_	ear 4	ł					Year	r 5				
Activities		Benchmarks and key deliverables	Responsibility			2013			20							)15			Ц.		_	2016	_						017			Щ		201
				-	3 4 S 0							17 18 N D					5 27 28 S 0					_					45 46 M A		_					58 59 A M
				J A	5 0	N D	) F	MA	M	JA	5 0	N D	) F	M A	PI J	1 /	5 0	N I	J J	r M	A M	1	A S	. 0	N D	J F	PI A	PI J	1 ^	-	J N I	7 1	F M	A M
Component 1:	Development of national and regional uPOPs preventi	ion and management strategy																																
Output 1.1 - Id approaches in	entification of key players in the waste stream to be targ waste management (general public, municipal and indus	eted for outreach and incorporation of trial waste generators and managemen	sustainable nt)																															
Activity 1.1.1	Identification of uPOP activities and potential uPOPs reduction activities on the national level, through consultations with key players in the waste stream	Country Consultation reports	AFD TA, key PIC waste stakeholders																															
Output 1.2 - N	ational solid waste strategic guidance developed on organ	nic waste management																															П	
Activity 1.2.1	Working with government focal points in PICs to develop national strategic guidance to address uPOPs. National strategies will inform the regional strategy	National uPOPs strategy annexed	AFD TA, PIC Env Depts, JICA																															
Output 1.3 - Re covernments	equired elements for attendant regulation and legislation	identified for independent uptake by	respective												$\prod$	$\Box$	$\prod$	Π	$\prod$					T	П					$\Gamma$	T	$\prod$		
Activity 1.3.1	Review of existing legislation/regulation relating to uPOPs	Review report	AFD TA, GEFPAS PC, Key PIC waste stakeholders																															
Acitivity 1.3.2	Provision of draft "model" legislation/regulations, that may be used by governments for independent uptake.	Draft "model" legis/regulation	AFD TA, PIC Env Depts																															
Component 2:	Training and awareness raising in solid and hazardo	us waste management.																																
Output 2.1 -Vo	cational training modules and manuals designed and dev	reloped		П					Т							П			П					П				П			П	T	П	П
Activity 2.1.3	Review of JICA programme successful outcomes to look for possible incorporation into later stages of vocational training	Review reports	AFD TA																												$\dagger$		$\parallel$	
Activity 2.1.4	Finalise contract with course provider for GEFPAS engagement from 2015 - 2016	Agreement signed	GEFPAS PC																											П	П	П	П	
	raining stakeholders using train-the-trainer method in w nplete burning as a tool of organic waste disposal, Landfi																																	
Activity 2.2.2	Annual vocational training (2 modules) completed	Signed training applications /feedback reports	Course provider																															
Activity 2.2.3	Trainee 12 month action plans submitted	Action plans	GEFPAS PC																															
Activity 2.2.4	Annual assessment of course participant training implementation outcomes	Review reports	GEFPAS PC																															
Activity 2.2.5	Assessment of FNU capacity to takeover vocational training post 2014	Assessment report	AFD TA, GEFPAS PO																															
activity 2.2.6	Review of vocational training course sustainability post 2016	Assessment report	GEFPAS PC																															
	adre of certified trained PIC professionals undertaking na he first round	ational training in each PIC, with the su	pport of a regional																															
Activity 2.3.3	National training in each PIC by returning trainees as per agreement/agreed schedule	Training activity reports	Trainees, PIC Env Depts																														П	
Activity 2.3.4	Establish an alumni network of trainees for networking purposes and information exchange	Database of alumni members set up to be linked with PIC Consultant	GEFPAS PC												П									П						П	$\prod$	П	П	

Output 2.4 - Pi	lot projects in selected countries.																										
Activity 2.4.3	Niue composting/waste separation pilot	Case study report	GEFPAS PC, Project	Ш	$\top$	$\blacksquare$							Ħ						Ħ			П	П	Ħ	$\top$	П	П
Activity 2.4.4	Marshall Is PCB testing pilot	Costed disposal strategy	GEFPAS PC, Project		П			П	П	П		П	П	П	П		T	П	П	П			П	П	П	П	П
Activity 2.4.5	Kiribati HCWM pilot	Audit reports	GEFPAS PC, Project TA		П			П	П	П	П	П															
Activity 2.4.6	Samoa used oil diesel extender project	Case study report	GEFPAS PC, Project TA											П										П			
Activity 2.4.7	Pilot review and dissemination	Summary Report	GEFPAS PC, SPREP, PICs																								
Output 2.5 - Br and mentoring	oader awareness campaigns for the public and SMEs on best prac promoted	tices in waste separation, composting e	etc. Lessons learned																								
Activity 2.5.1	Proforma issued to PICs for awareness raising campaign fund requests	Proforma	GEFPAS PC																			Ц		Ш	Ш		Ш
Activity 2.5.2	Awareness campaign annual action plans submitted (to include waste oil and linked to pilot activities)	Action plans	PIC Env Depts																								
Activity 2.5.3	Review, approval and transfer of funds for awareness campaigns	Funds transferred	GEFPAS PC																			П			П		
Activity 2.5.4	Awareness campaigns implemented	Campaign reports/results	GEFPAS PC, PIC Env Depts, NGOs																								
Activity 2.5.5	Bi-annual awareness newsletter compiled, sent to PICs and posted on SPREP website	Newsletter	GEFPAS PC, PIC Env Depts, NGOs																								
	Enhanced post-NIP Inventory stockpile management and safe cool laboratory chemicals	lisposal strategy for unwanted pesti	cides (including																								
Output 3.1 - Er local disposal o	chanced inventory exercise and training in inventory development flaboratory chemicals	and sound chemicals management, a	nd training in the																								
Activity 3.1.1	Participating countries provide up-to-date copies of existing inventories, highlighting areas of concern and storage sites	Inventories and storage locations supplied	NFPs																								
Activity 3.1.2	Participating countries provide list of laboratories, as well as quick assessment of labs of most concern	Lists of labs	NFPs																								
Activity 3.1.3	Development of laboratory chemical management and disposal training manual and course presentation material	Final endorsed training materials	GEFPAS PC, SPREP																								
Activity 3.1.5	Technical guidance toolkit published	Published toolkit	GEFPAS PC																								
Activity 3.1.6	Training schedule agreed	Scheduled published	GEFPAS PC																								
Activity 3.1.7	Training undertaken	Training records	SPREP, GEFPAS PC, NFPs and regional consultants							П		П					T										
Activity 3.1.8	PIC Action Plans developed, outlinging specific chemical issues to be addressed and responsible entities	National Action Plans	NFPs and GEFPAS PC		П					П		П	П	П	П									П	П	П	
Activity 3.1.9	PIC chemical storage sites listed on FAO GIS Database	Data unviversally accessible via database	FAO																								
Output 3.2 - Tr	aining of Customs Officers																								П		
Activity 3.2.1	Participating countries provide nominated trainees	List of nominated Customs Officers	NFPs and GEFPAS PC																				Π		$\prod$		
Activity 3.2.2	Training manual developed (adopting Green customs and Regional Customs stnadards/manual)	Training manual	GEFPAS PC and Project TA									T															
Activity 3.2.5	National training program schedule agreed	Training schedule available to PICs	GEFPAS PC and Customs Officers																								
			GEFPAS PC and																						1 7	17	

Output 3.3 - De	velopment and implementation of a regional best practice manual	to reduce chemical use and subseque	nt build up																					
Activity 3.3.1	Consultation with PICs on the development of manual and the content, using training feedback and national action plans		GEFPAS PC														$\parallel$						$\top$	T
Activity 3.3.2	Draft regional best practice manual	Draft document	GEFPAS PC and Project TA		Ī												П	П	П	П	П	Ħ	П	T
Activity 3.3.3	Publication of final manual	Manual published	GEFPAS PC														П					П		П
Output 3.4 - Dr	aft design and estimated cost of a regional repackaging, collection,	shipping and disposal activity																						
Activity 3.4.1	Development of draft cost estiment	Cost Estimate	GEFPAS PC and Project TA																					
Activity 3.4.2	PIC review	Draft document sent to PICs	NFPs																					
Activity 3.4.3	Final document approved in the form of PIF	PIF available	GEFPAS PC																Ш	П	П	I	I	
Activity 3.4.4	Consultation with donors		GEFPAS PC																	Ш	Ш	Ш		
Component 4:	Waste Oil export and reuse in Polynesia and Micronesia																							
Output 4.1 - De and distributed	velopment of a strategy on the implementation of extended produ	icer responsibility (EPR) systems for w	aste oil produced																					
Activity 4.1.1	Confirm country commitment, designated contact personnel, and a stakeholder liaison group for in-country implementation for Fiji, Samoa, and Vanuatu	Steering groups established	AFD TA																					
Activity 4.1.2	Formation of PPA Technical Working Group (2015 Annual Meeting)	TWG formed	PPA, AFD TA														П		П	П	П	П	П	T
Activity 4.1.6	Set up Used Oil Steering Committee (Samoa, Fiji and Vanuatu)	Meeting reports	AFD TA, PIC Env Depts																			П	П	
Activity 4.1.7	Establish Used Oil Steering Committees for the 11 PICs	Steering Committee report	AFD TA, SPREP, PIC Env Depts							Π		П			П	П					П	П	П	Γ
Activity 4.1.8	Complete national oil audits and cost-benefit analyses for 11 PICs	CBA Final Reports	AFD TA, SPREP, PIC Env Depts																					
Activity 4.1.9	Development of national Oil Management Plans for 11 PICs	Final management Plans	AFD TA, SPREP, PIC Env Depts																					
Activity 4.1.10	Confirm country commitment, designated contact personnel, and a stakeholder liaison group for in-country implementation for 11 PICs	Steering group established	GEFPAS PC, SPREP																					
Output 4.2- Wa	ste oil collection, storage and export system developed and operat	ional for eligible PICs																						
Activity 4.2.1	Training then implementation of waste oil audits in Fiji, Kiribati, Palau, PNG, Nauru, Solomon Islands and Tonga	Audit reports	AFD TA, audit consultant, PIC Env Depts																					
Activity 4.2.2	In-country assessments of interim storage needs in FSM and RMI, and the most appropriate export options for FSM, Palau and RMI	Agreed actions for each country	AFD TA, PIC Env Depts																					
Activity 4.2.3	Identify in-country requirements for a first oil shipment, obtain necessary supplies (drums or IBCs), confirm shipping company and shipping costs	Supplies purchased, cost confirmed	AFD TA, PIC Env Depts																					
Activity 4.2.4	Obtain formal agreement from Fletcher Steel to accept first shipments and necessary Waigani approvals (Depending on best option for usage)	Approvals gained	AFD TA, PIC Env Depts																Ш	Ш				
Activity 4.2.5	First shipments are tested for PCBs and then shipped, with feedback provided to the AFD TA on any issues arising	Reports on shipment	AFD TA, PIC Env Depts																			Ш		
Activity 4.2.6	Support for further oil shipments from selected countries, depending on available funds	Further shipment	AFD TA, PIC Env Depts	$\coprod$																		$\coprod$		
Activity 4.2.8	Preparation of a handbook for oil exports under the Waigani Convention	Handbook distributed	Consultant, SPREP																					
Activity 4.2.9	Further national training/workshops on the Waigani Convention procedures, including use of the Handbook produced under activity 4.2.8 (run alongside Customs training in Component 3)	Workshop reports	SPREP																					
Activity 4.2.10	Preparation of Oil Management handbooks for power stations, oil companies and other large oil users, and vehicle workshops	Handbooks distributed	AFD TA, PPA Consultants																					

Output 4.3 . A	product stewardship and collection system developed with PNG, Fi	i Samoa		П			П		П	П	П		П	П		П		П	П	П	П	П			П		П	П	П
			PNG PO, AFD TA,	$\vdash$	+	$\vdash$	+		Н	Н	H	+	Н	Н	Н	Н	Н		H	+	$^{+}$	+	+	H	$\vdash$	Н	+	+	+
Activity 4.3.8	PNG: audits and stakeholder consultations (see 4.1.2 & 4.2.1)	Audit reports	SPREP			Н			Н	Ш		#	Ш	#			-		$\sqcup$	$\perp$	1	$\perp$			Ш	Ш	+	#	$\perp$
Activity 4.3.9	PNG: Site visits and meetings with potential industrial users of waste oil in Port Moresby, Lae and other centres	Visit reports	PNG PO, AFD TA, SPREP									Ш							Ш		Ш					Ш	Ш	Ш	
Activity 4.3.10	PNG: Assessment of the suitability of all identified facilities	Consultant report	PNG PO, AFD TA, SPREP																										
Activity 4.3.11	PNG: Negotiate agreements with industrial users over the terms and conditions for accepting waste oil, and the relevant permitting requirements under the Environment Act	Signed agreements and permits	PNG PO, Env Dept, SPREP																										
Activity 4.3.12	PNG: Stakeholder workshop to outline proposed disposal operations and to agree on appropriate arrangements for oil collection, storage and delivery	Workshop report and action plan	PNG PO, AFD TA																										
Activity 4.3.13	PNG: Implement and monitor agreed programme	Plan implemented	PNG PO, AFD TA, SPREP			Ш	Ш	Ш	Ш	Ш		Ш	Ш	Ш			Ш		Ц	Ш	Ш	Ш				Ш	Ш	Ш	
Activity 4.3.14	PNG: If necessary, investigate and implement options for exporting any surplus	Trial shipment	PNG PO, AFD TA, SPREP																							Ш			
Activity 4.3.15	PNG: Follow-up waste oil audit and stakeholder consultation workshop to review progress and identify any issues or further actions needed, including funding arrangements or regulation	Audit & workshop reports, action plan	PNG PO, AFD TA, SPREP																										
Activity 4.3.16	PNG: Investigation and imlementation of any relevant regulations or further funding arrangments needed to support an on-going operation		PNG PO, AFD TA, SPREP																										
Output 4.4 - Dr	afting instructions for extended producer responsibility legislation	developed for PICs																								Ш			
Activity 4.4.1	Develop Legislation for 11 PICs	Draft National Legislation	SPREP								П																		
Output 4.5 - Pu	blic education program on waste oil and its collection implemented	d in nine PICs																											
Activity 4.5.1	Development and delivery of targeted education and awareness activities, as appropriate in each country, to promote the oil collection programme and discourage oil dumping	Action plans (Component 2)	GEFPAS PC, SPREP																										
Output 4.6 - En	vironmental audit undertaken of the collection and reuse facility																												
Activity 4.6.2	Audit of the Fletcher Steel used oil management activities	Audit report	Consultant																							П		П	
Component 6 :	FAO Pesticide container management																												
Output 6.2- Str	ategy for sustainable recovery and recycling of waste pesticide con	tainers and recycling of waste containe	ers plastics.																										
Activity 6.2.2	A baseline survey of the current situation relating to annual pesticide container generation rates	Baseline survey report	GEFPAS PC and Project TA													П										П			
Activity 6.2.3	A feasibility study to determine the most practical, cost effective and sustainable container recycling option(s) for the three pilot countries	Feasability study report	GEFPAS PC and Project TA																										
Activity 6.2.4	Completion of a review of required legislative, regulatory and/or policy amendments to ensure sustainable programme funding	Legislative review report	GEFPAS PC and Project TA													T										П		П	
Activity 6.2.5	Intensive in-country training and stakeholder workshops to complete practical pilot programme design and container triplerinsing training and extension	Training completed	GEFPAS PC and Project TA																									I	
Activity 6.2.6	Implementation of a 12 month recycling pilot in each of the intervention countries	Recycling programme	GEFPAS PC and Project TA								П															П		$\prod$	
Component 7:	Project Management																												
Output 7.1 - Eff	ective project management, with activities completed in a time	ely and cost effective manner													L														
Activity 7.1.1	Establishment of structures for supervision coordination, and implementation, and ongoing management of the project	Project Management plan, GEF quarterly reports:UNEP,FAO,AFD reports,mid-term project review,and project completion M&E reports	GEFPAS PC and AFD TA																										
	l .		1																										16