Form A: Independent M&E Information

Report document 1

Name of the M&E Organization: Belize Environmental Technologies	Status: Government NGO Research centre Independent consultant University Other (please specify)
Contact person: Ismael E. Fabro Title: Managing Director Address: 2216 Juliet Soberanis St. Belize City	Email: iefabro@gmail.com Phone:(501)-607-1947 Fax:(501) 223-1819
8 8	

Background information on the organization/expert: *Belize Environmental Technologies (BET)*, is a relatively newly formed Environmental, Health and Safety Consulting Company situated at #2216 Juliet Soberanis Street, Belama Phase I, Belize City with qualified technical expertise in the following field:

Environmental Monitoring, Natural Resource Assessments, Environmental Strategic Planning, Environmental Monitoring, Environmental Legislative Reviews, Ecology, Environmental Health and Safety Audits, Environmental Impacts Assessments, Pollution Control, Training in Environment and Conservation Related Issues, Project Management, Project Evaluation and Monitoring

The principal consultants are Mr. Ismael Fabro and Mr. Juan R. Rancharan, but BET is able to draw from a poll of professional with expertise in the various disciplines often required in the preparation EIA's, Environmental, Health and Safety Audits, Environmental Management Plans or other multidisciplinary exercises.

Ismael Eligio Fabro is an environmental scientist with 18 years experience in Environmental Management as Belize's Chief Environmental Officer from 1990-2008. Under his term as Chief Environmental, Mr. Fabro was responsible for the institutional development of the Department of the Environmental and the development of Belize's National Environmental Agenda.

Under Mr. Fabro's term in office, the Department was able to grow into one of Belize's most dynamic and respected Government Departments. During these 18 years Mr. Fabro played a leadership role in the development of Belize's current national environmental policies, legislations such as the Environmental Protection Act, Pollution Regulations, Effluent Limitation Regulations, and Environmental Impact Assessment Regulation. During his tenure, the National Environmental Action Plan was developed and implemented among several other sectoral plans and programs. He was also responsible for the preparation of cabinet papers that led to Belize becoming a signatory to several Multilateral Environmental Conventions.

In October of 2005, Mr. Fabro was seconded to the position of acting Chief Executive Officer of the Ministry of Natural Resources and the Environment and served in this capacity until June 2007. As Chief Executive Officer of the Ministry he was able to positively influence the development of the new petroleum industry and to accelerate the implementation of the strategic plans of the Forest Department, Lands and Survey Department and other departments within the Ministry.

In both capacities, Mr. Fabro had the opportunity to represent the Government of Belize in numerous high-level National, Regional and International meetings, negotiations and other forums. He sat as chair of the Pesticide Registration Subcommittee of the Pesticide Control Board, National Environmental Appraisal Committee and the Environmental Subcommittee of the National Emergency Management Organization and as member of the Solid Waste Management Authority, Protected Areas Conservation Trust and several other committees.

Educated primarily in Belize and the USA, Mr. Ismael Fabro was the recipient of a USAID/ Campus Scholarship under which he obtained a Bachelor of Science Degree graduating, summa cum laude, at the top of his class in Mankato State University, a current branch of Minnesota State University. During this period, Mr. Fabro also managed to complete his postgraduate courses obtaining a Master of Science Degree shortly thereafter.
Prior to heading the Department of the Environment in 1990, Mr. Fabro had served as the head of the science division of Edward P. Yorke High School where he served as a Biology and Chemistry Teacher from 1981-1989. In addition to these 27 years of Public Service, Mr. Fabro had worked at the Belize Sugar Industries Ltd. as Assistant Chemist (1978-1979) and at Pallotti High School (1979-1981) as the Chemistry Teacher.
Mr.
Mr. Juan R. Rancharan holds a Masters in Agricultural Extension Education from the University of Florida, Gainesville, Florida, USA. In 1987, he headed the Sugarcane Extension and Technical Support Service (SETSS) at the Belize Sugar Industries Ltd., in charge of planning, coordinating and implementing technical support to cane farmers. In this capacity, Mr. Rancharan supervised a cadre of people implementing training programs for cane farmers and a cane replanting program, which included the coordination and implementation of all the activities related to this operation. He also coordinated farmer

Mr. Juan R. Rancharan holds a Masters in Agricultural Extension Education from the University of Florida, Gainesville, Florida, USA. In 1987, he headed the Sugarcane Extension and Technical Support Service (SETSS) at the Belize Sugar Industries Ltd., in charge of planning, coordinating and implementing technical support to cane farmers. In this capacity, Mr. Rancharan supervised a cadre of people implementing training programs for cane farmers and a cane replanting program, which included the coordination and implementation of all the activities related to this operation. He also coordinated farmer sensitization and education programs. The SETSS program has been identified and hailed as a model for cane development in the region where many farmers are involved in cane production. In 1995, he was promoted to Company Health and Safety Officer and was responsible for developing, implementing, monitoring and evaluating the company's Health and Safety Programme. He also conducted Company Health and Safety Audits; a critical, in-depth examination of an organisation's health and safety management system. The audit covered the whole system including risk assessment procedures, issue and control of personal protective equipment etc.

In 2005, Mr. Rancharan joined the Ministry of Natural Resources and the Environment as its Policy Coordinator/Sustainable Development Officer providing support to the Ministry in the implementation and coordination of Natural Resources and Sustainable Development policies, strategies and activities, in particular the implementation of Multi-lateral Environmental Agreements (MEA's) to which Belize is a party. His responsibilities also covered the monitoring and evaluation of the implementation of existing projects and coordinated the review and monitory of project proposals requiring Ministry's endorsement with a view to ensuring that its objectives and activities are consistent with national priorities and with Ministry's policies, goals and objectives. Mr. Rancharan also represented the Ministry as its designated representative on select Project Steering Committees/Project Execution Groups in particular the National Implementation Plan on Persistent Organic Pollutants (*POPs*) Project.

Project reviewed: Belize SAICM Initiative	Country: Belize	Reporting period: June 1 st ,2009- June 30 th , 2011
Mainstreaming into Development Plans the Sound		
Management of Chemicals (SMC) Priorities for		
Key Development Sectors in Belize and		
Associated SMC Governance Project		

List of report documents

List of report documents				
<u>Document</u>	Report document number	<u>Title</u>	Related documents	<u>Remarks</u>
Form B: Overall project assessment	1	ProDoc: "Mainstreaming into Development Plans: Sound Management of Chemical (SMC) Priorities for Key Development Sectors in Belize and Associated SMC Governance"		
	2	National Situation Report-August 2010		
	3	Economic Analysis Framework-September 2010		
	4	Economic/Cost Benefit Analysis and Policy Instruments for the Implementation of Good Agricultural Practices in Belize-October 2010		
	5	Policy Options Analysis Report-October 2010		
	7	Mainstreaming the Sound Management of Chemicals Priorities –An Action Plan-November 2010		
	8	Inception Workshop– Belize Biltmore Plaza, Belize City - September 2009-Report.		
	9	Meeting of the Multi-stakeholders and Interagency Coordinating Mechanism—George Price Centre, Belmopan City - March 2010. Report		
	10	Chemicals Management Priority Setting Workshop - Radisson Fort George Hotel & Marina, Belize City - June 2010.		
	11	Chemicals Management Validation Workshop - Radisson Fort George Hotel & Marina, Belize City - November 2010.		
	12	National Profile on the Management of Chemicals and Waste December 2010		Project provided logistical and technical support to this project
	13	SAICM Quick Start Programme (QSP) Trust Fund Expenditure Reports		
	14	SAICM Quick Start Programme (QSP) Trust Fund Half-Yearly Progress Reports		

	15	Minutes of the Meetings of the Interagency Coordinating Mechanism	
	16	The National Pollutant Release and Transfer Register Assessment Report July 2011	Project provided logistical and technical support to this project.
	17	Guidelines for Policy Makers on the Effective Implementation of A Globally Harmonized System of Classification and Labelling of Chemicals (GHS)	Addresses one of the highest priority areas identified by nationals; this marks a step forward to meeting SMC in Belize
	18	Chemical Accidents: Expand National Emergency Plans to Include Industrial Accidents, Including in Ports and Shipping Channels, to Defend Coastal Integrity/ Biodiversity and Safeguard Human Health	Was part of a capacity building exercise but contributed greatly to the project since it does a CBA on one of the highest priority areas identified by nationals.
Form C: Stakeholder involvement	19	List of Stakeholders (update June 2011)	
	20	List of ICM Members as published in the SAICM Website.	
	21	List of Workshop Participants as documented in the Workshop Registration Sheet.	
	22	Workshop Invitation Letters sent to Stakeholders	
	23	Final Evaluation Questionnaire	

<u>Form D:</u> Project objectives	24	AWP and AWOP	
<u>Troject objectives</u>	25	Quarterly Reports and Annual Reports	
	26	Financial Reports	
	27	Horizon 2030 - Long Term National Development	Read to verify the inclusion of the SMC as reported by the project.
	28	Framework for Belize (Draft) "Belize/UNEP partnership on development of a coherent legal and institutional framework in Belize	reported by the project.
	29	for the sound management of chemicals" Project Information Package	Highlights the project title, objectives,
			rationale, activities, major outcomes and outputs of the project; was used to familiarize stakeholders with the project.
	30	Proposal Concept Paper for the Sound Management of Chemicals: the Development of a Chemicals Management Unit in the Department of the Environment	A generic Proposal Concept Paper that can be addressed and is readily available to submit modify to make suitable for any specific donor
	31	GEF5-PIF: Waste Management for POPs Control and NIP Update	A PIF on SMC to be submitted to GEF5; this addresses one of the highest priority chemicals management issues identified by nationals

Form B: Overall Project Assessment

Name of the M&E organization:		
Belize Environmental Technologies		
Project reviewed: Belize SAICM Initiative Mainstreaming into Development Plans the Sound Management of Chemicals (SMC)	Country: BELIZE	Reporting period: June1st,2009- June 30 th ,2011
Priorities for Key Development Sectors in Belize and Associated SMC Governance Project		

1. Methodology

This Final Evaluation Report is a requirement for projects financed by the SAICM Quick Start Programme Trust Fund conducted in accordance with the guidance, rules and procedures contained within the document entitled, "Strategic Approach to International Chemicals Management (SAICM) Quick Start Programme (QSP) Trust Fund - Guidelines for Independent Monitoring and Evaluation."

The evaluation has as its overall objective the assessment of the achievements made by the project and to determine the effectiveness and efficiency of the project activities in relation to the approved objective and outcomes. The assessment also attempted to measure project performance against project objective by comparing actual expenditures against those budgeted in the AOPs. Hence, the report is the result of this assessment of project implementation and includes the identification of the major achievements made and challenge encountered during project implementation.

The methodology used for the independent monitoring and evaluation of the Belize SAICM Initiative Mainstreaming into Development Plans the Sound Management of Chemicals (SMC) Priorities for Key Development Sectors in Belize and Associated SMC Governance Project included the following:

- 1. Review of the Project Document.
- 2. Review of Information (Reports and Studies) generated by the project.
- 3. Review of all Minutes, Financial Reports and Reports Submitted to UNEP/UNDP by the project.
- 4. Participation in ICM Meeting and workshops conducted by the project.
- 5. Conducting personal interviews with Stakeholders, Project Manager and National Focal Point.
- 6. Analysis of completed Final Evaluation Questionnaires.

2. Narrative report on the monitoring and evaluation of the project General Introduction

"Mainstreaming into Development Plans the Sound Management of Chemicals (SMC) Priorities for Key Development Sectors in Belize and Associated SMC Governance" is a project funded under the SAICM Quick Start Programme (QSP) with a budget of US \$ 231,481.00. The objective of the QSP is to "support initial enabling capacity building and implementation activities in developing countries, least developed countries, small island developing States and countries with economies in transition."

This project is being implemented as a partnership initiative between UNEP, UNDP, and the Government of Belize aimed at assisting Belize in addressing the second and third strategic priorities of the Strategic approach to international Chemicals Management (SAICM) Quick Start Programme (QSP) which includes:

- "(a) Development or updating of national chemical profiles and the identification of capacity needs for sound chemicals management;
- (b) Development and strengthening of national chemicals management institutions, plans, programmes and activities to implement SAICM, building upon work conducted to implement international chemicals-related agreements and initiatives;

(c) Undertaking analysis, interagency coordination, and public participation activities directed at enabling the implementation of SAICM by integrating – i.e., mainstreaming – the sound management of chemicals in national strategies, and thereby informing development assistance cooperation priorities."

Project Start and its Duration

The project commenced on June 1, 2009 and its completion date was scheduled as June 30, 2011. Following the establishment of the PMU, the project was officially launched on September 23rd, 2009 with a three days multi-stakeholder Inception Workshop that ended on the 25 September 2009 involving the participation of relevant government institutions, quasi-governmental and non-governmental organizations including the private sector, and academia.

Project objectives:

This project was executed as a partnership arrangement among government officials, local experts and UNDP/UNEP experts working closely together as a team throughout the implementation of the various activities included in its annual operating plans. This arrangement allowed for the timely sharing of experiences, information and knowledge essential in developing Belize's capacity in ICM related matters. The specific objectives of the project included the following:

- "1. Qualification of the links between priority major chemical management problem areas and human health and environmental quality in Belize;
- 2. Identifying what areas of Belize's national SMC governance regime need strengthening most urgently;
- 3. Development of a realistic phased plan for strengthening Belize's national SMC governance regime;

- 4. Assistance for Belize to quantify the costs of inaction/benefits of action in planning/finance/economic language regarding major chemical management problem areas (drawn from objective 1 above); and
- 5. Propose a path forward to mainstream the highest priority SMC issues in Belize's development planning processes and plans."

Main Stakeholders

The project is affected directly and indirectly by various stakeholders distributed across various sectors. The primary stakeholders are those which are affected directly through the project's interventions. These include institutions directly involved in chemicals management and project implementation. The Interagency Coordinating Mechanism (ICM) or Project Steering Committee was comprised of the following:

a. Government/Agencies

- 1. Department of the Environment,
- 2. Pesticides Control Board,
- 3. Belize Agricultural Health Authority,
- 4. Belize Customs & Excise Department
- 5. Ministry of Economic Development
- 6. Ministry of Health

b. Private Sector

- 1. Belize Natural Energy Ltd.
- 2. Fabrigas Belize Ltd.
- 3. Prosser Fertilizer and Agrotec Co. Ltd.

c. Intergovernmental Organization (IGO)

- 1. United Nations Development Programme
- 2. Caribbean Agricultural Research & Development Institute

Secondary stakeholders include other Government and non-governmental institution with supporting roles and responsibilities related to chemical management. These would include the Ministry of Agriculture and Fisheries, Ministry of Transport, Communications and

National Emergency Management, Ministry of Labour, Local Government and Rural Development, National Fire Service and the National Emergency Management Organization.

A third level of stakeholders includes the NGOs or Sectors which provide support to the project activities. These stakeholders are those involved in other supporting and complementary initiatives being carried out at the National level such as academia (UB and Galen), NGO (BEST, Help for Progress, BAS, etc), and other private sector organization involved with the usage of chemicals which includes the broader general public.

Expected Results

The project log frame provide for 4 Outcomes supported by several expected outputs.

The expected outcomes are summarized as follows:

Outcome 1: Adaptive Management (Project management)

Outcome 2: Establishing a Cross sectoral, Multi-stakeholder Coordination mechanism

Outcome 3: Research, Analysis and Planning in support of Improved SMC governance

Outcome 4: Planning to Implement Priority Actions

Indicators used to determine level of success were limited to the delivery and acceptance of expected Outputs.

Effectiveness of Outcomes, Outputs and Indicators

The projects Outcomes and Outputs can be considered as being in line and consistent with QSP's three main objectives outlined above. While there were a few difficulties encountered in the implementation of activities contained in the annual operation plans, these difficulties were primarily associated with the identification of local expertise in chemicals managements to carry out expected outputs and the somewhat lengthy selection process. It would appear however, that the delays experienced did not materially affect the final outcomes of the project. It is important to note that the ICM was able to respond to these challenges in a timely manner through the hiring of a Local Expert in the field of chemicals management, to serve as the PMU's and ICM's technical advisor and took the decision to allow the selected consultant to carry out other supporting consultancies. This assisted in

ensuring that the deliverables were completed within the proposed scheduled and that they met the expectations of stakeholders. Results of interviews also indicated that the Project Manager was competent in the management of the project.

Project Achievements: Outcomes and Outputs

The assessment of outcomes and outputs indicates that all expected outputs were attained. These expected outputs included the following:

The expected outcomes are summarized as follows:

Table 1: Outcomes, Outputs and Indicators' Remarks

Outcome/Output	Indicators	Remarks					
Outcome 1: Adapt	Outcome 1: Adaptive Management (Project Management)						
a. Designating a National Project Manager/Project Coordinator	Selection of PM and PMU in place and working. AOPs/AWPs PMU's Monthly and Quarterly Reports	PMU was established in Q1 of the project. The PM appeared to be competent in the management of project and took very little time to familiarize herself with projects objectives and expected outputs. PMU was able to effectively ensure the completion of all deliverables within the expected time frames and in accordance with expectation of participating stake holders. PMU was instrumental in securing greater project buy-in and participation by the primary stakeholders.					
b. Project Initiation	Project Inception Workshop conducted.	The inception workshop was held in Sep 2009 where a multi-stakeholder group was made aware of the project objective and expected outputs. The PMU also took advantage of conducting a 3 days' workshop on integrated chemicals management. A total of 43 participants were present from Gov. Non-Gov, Academia and Private Sector.					
Outcome 2: Establ	ishing a Cross Sectoral, N	Aulti-stakeholder Coordination Mechanism					
Establishing a Cross Sectoral Interagency Coordinating Mechanism (ICM)	A sustainable ICM for SMC at the National Level is set in motion that is expected to operate beyond the life of this project. Minutes of ICM Meetings	The ICM was established with the participation of most stakeholder groups. The ICM group consisted of a total of 11 members (6 Government/Agencies, 3 Private Sector and 2 Intergovernmental Organization (IGO)). The PMU and ICM were cognizant that they needed more representation from the other sectors primarily NGO and Academia. Community based organization were not represented in the ICM. In addition efforts were made to reach out and secure greater participation of three important Ministries (MED, MAF and MOL).					

Outcome 3: Research, Analysis and Planning in support of Improved SMC governance

Research, Analysis and Planning in support of Improved SMC governance consistent with SAICM strategic objectives National Reports on SMC /Priority Setting Completed.

Workshop Reports

Consultancies Reports

National Situation
 Report-August 2010
 Belize Chemicals
 Management Priority
 Issues Concept Paper-November 2010
 National Profile on the
 Management of Chemicals
 and Waste December 2010

A Priority Setting Workshop was held in June 2010 to assist in the development and finalization of national reports. This SMC workshop was attended by a multi-sectoral stakeholder group. In addition to these, validation/Consultation meetings with ICM were held and Stakeholders workshops conducted to ensure that deliverables met the expectation of the wider stakeholders group.

Outcome 4: Planning to Implement Priority Actions

Planning to implement priority actions, including via mainstreaming in National development plans Economic analysis/development phased plan for addressing priority gaps, roadmap for mainstreaming issues into development process.

Workshop Report Consultancies Reports

1. Economic Analysis

Framework-September

2010
2. Economic/Cost Benefit
Analysis and Policy
Instruments for the
Implementation of Good
Agricultural Practices in
Belize-October 2010
3. Policy Options Analysis
Report-October 2010
4. Mainstreaming the
Sound Management of
Chemicals Priorities –An

Action Plan-November

2010

All deliverable were completed within the project's lifespan to the satisfaction of the stakeholder through consultation/Validation workshops held to review deliverable (reports). Continuity and sustainability of SMC related activities were addressed through the preparation of a project proposal for an implementation phase of the recommendations contained in the deliverables of the existing project. A project document, "Belize/UNEP partnership on development of a coherent legal and institutional framework in Belize for the **sound management of chemicals"** has been submitted for funding in QSPTF Round 10. In addition, Cabinet Papers were prepared soliciting GOB's commitment to policy recommendations resulting from project implementation.

The level of financial planning during project implementation can be considered as satisfactory, with budgets set for each project activity and output. The projects assessment of performance was conducted by examining the project's delivery rates included in the yearly financial reports. This assessment indicated the project's overall performance as satisfactory.

In 2009, the rate of funds disbursed can be considered as marginally satisfactory as supported by a 60.97% delivery rate. A total amount of 115,740.50 was budgeted and 70,569.87 had been disbursed. The delivery rate in 2009 was affected by difficulties in the identification and hiring of local consultants. In addition this year was limited to a six months period used in the establishment of PMU, ICM and preparatory activities for inception workshop and local consultancies.

In 2010 the delivery was 81.05% indicating a notable increase in the actual disbursement visà-vis the approved budget. As a result project implementation can be assessed as highly satisfactory. At the end of this year a total of 106,816.05 had been disbursed of the 131,788.04 budgeted.

In 2011, the project performance was highly satisfactory with most of the 54,050.34 budgeted being completely disbursed. From a financial stand point this would indicate a very satisfactory rate of project execution.

The reporting and accounting of funds can be rated as very satisfactory. The internal financial reviews and reports carried out annually by UNDP have shown no evidence of any financial improprieties

Monitoring and Evaluation

Monitoring and Evaluations also appeared to be satisfactorily carried out as supported by the yearly AOP's and reporting records. In addition, the PMU had prepared fairly detailed quarterly and annual reports indicating that the project's progress was being closely monitored and reported on the ICM and project director. Challenges and lessons learnt were well documented in these reports. In addition, the minutes of all ICM meeting and workshops were well documented as can be substantiated by the minutes and workshop reports attached to this assessment report.

Partnership Arrangements

This project benefited greatly from the partnership arrangements between UNEP, UNDP, and GOB and the partnership arrangements involving the participation of the major multistakeholders groups involved in activities related to SMC. It is worthy to note the partnership and collaboration with other donors in the implementation of supporting activities, thus providing greater efficiency in the utilization of the project funds and the avoidance of duplication. The project was able to benefit from the relationship between GOB and the SG-CCAD, who were implementing Regional SMC funded projects. Through these linkage additional support for funding was obtained to complete and update the present "National Profile on the Management of Chemicals and Waste" and the preparation of "The National Pollutant Release and Transfer Register Assessment".

Perhaps the only weakness in this respect was the need have included the representation of other sectors in the ICM.

Sustainability

Continuity and sustainability of the SMC related activities is being addressed through the preparation of a project proposal for an implementation phase of the recommendations contained in the deliverables of the existing project. A project document, "Belize/UNEP partnership on development of a coherent legal and institutional framework in Belize for the sound management of chemicals" has been submitted for funding in *QSPTF Round 10*. In addition, Cabinet Papers were prepared soliciting GOB's commitment to policy recommendations resulting from project implementation. Furthermore, a decision has been taken to maintain a strengthened ICM operational as an advisory body on all matters related to pollution control and the sustainable management of chemicals and waste. This phase of the project is assessed as highly successful in carrying out the necessary ground work in foundation building. All necessary assessment and plans essential in insuring good SMC governance are now in place.

Interviews with the Chief Environmental officer indicated that a proposal concept paper "Proposal Concept Paper for the Sound Management of Chemicals: the Development of a Chemicals Management Unit in the Department of the Environment" was developed for the establishment of a new unit within the Department of the Environment to address the management of chemicals and their related activities both at the national and international level. This unit would be responsible for GOB commitment under the SAICM Initiative and related convention such as the Basel, POPs (Stockholm), PIC (Rotterdam) and the Montreal Protocol in addition to other regional and international conventions. In addition, a GEF 5 Project Identification Form on "Waste Management for POPs Control and NIP Update" is being developed for submission to GEF to address one of the highest priority chemicals management issues identified by nationals.

3. Links with QSP Objective and Strategic Priorities

The expected Outcomes of Belize's project were highly consistent with the QSP's main goal and three primary objectives.

Goal: "support initial enabling capacity building and implementation activities in developing countries, least developed countries, Small Island Developing States and countries with economies in transition."

The QSP project has provided much needed impetus to the promotion of a more holistic approach and outlook dealing with the Sustainable Management of Chemicals in support of some of the other specific activities implemented under the other conventions such as the Montreal Protocol, Basel, Stockholm, and Rotterdam Conventions. The QSP has created a greater level of awareness among stakeholder involved in the importation, management and use of chemicals and has allowed for the preparation of all necessary assessment and plans essential in insuring in good SMC governance.

Objective 1: Development or updating of national chemical profiles and the identification of capacity needs for sound chemicals management;

An in depth National Profile on the Management of Chemicals and Waste was prepared as part on the project providing much needed updated information on chemical imports and usage and updated assessment of the existing legislative and institutional issues pertaining to SMC. The project was also able to prepare the following deliverable: a National Situation Report and the Belize Chemicals Management Priority Issues Concept Paper, that were all consistent with the above objectives.

Objective 2:Development and strengthening of national chemicals management institutions, plans, programmes and activities to implement SAICM, building upon work conducted to implement international chemicals-related agreements and initiatives;

The Inter-agency Coordinating Mechanism (ICM) was primarily created through the strengthening of the pre-existing steering committee for the National Implementation Plan on Persistent Organic Pollutants (*POPs*) Project building on the experience and work obtained under the implementation of this project. In addition, it also served as the steering committee for the PRTR assessment.

The QSP allowed the ICM to fill the information gaps that had not been addressed by previous initiatives and to provide a more holistic approach in addressing SMC related matters in Belize. The QSP also benefited from ongoing regional initiatives for the development of Belize's National Profile on the Management of Chemicals and Waste and PRTR Assessment. The following activities conducted under the QSP have allowed for the development of a clearer roadmap in the implementation of SAICM. This is supported by the following project outputs: Economic Analysis Framework, Economic/Cost Benefit Analysis and Policy Instruments for the Implementation of Good Agricultural Practices in Belize, Policy Options Analysis Report, and Mainstreaming the Sound Management of Chemicals Priorities –An Action Plan.

Objective 3: Undertaking analysis, interagency coordination, and public participation activities directed at enabling the implementation of SAICM by integrating – i.e., mainstreaming – the sound management of chemicals in national strategies, and thereby informing development assistance cooperation priorities."

Great efforts were undertaken to have the participation of a multi-sectoral stakeholder group in the activities of the project. There was also considerable data gathering and analysis for the capacity assessment. The inclusion of Sustainable Chemicals Management as an issue addressed in Belize' Horizon 2030 Report can be considered as a major accomplishment of the project in integrating and mainstreaming SMC in national strategies and development assistance priorities. However, there is the need to secure Cabinet's reviewed and endorsement of the Cabinet papers prepared under the project as a demonstration of Belize' highest level of commitment to SMC Governance. The following project outputs support this objective: Economic Analysis Framework-September 2010, Economic/Cost Benefit Analysis and Policy Instruments for the Implementation of Good Agricultural Practices in Belize-October 2010; Policy Options Analysis Report-October 2010; and Mainstreaming the Sound Management of Chemicals Priorities —An Action Plan-November 2010.

4. Main conclusions

Interviews of stakeholders indicated a high level of support primarily by those directly and intimately involved in the execution of the project and those that attended the various Consultation/Validation workshops despite early difficulties in securing the full participation of the MED, MOA and MOL. The analysis of the information also indicates that the ICM could have probably been more representative of the various stakeholders groups and that perhaps the objectives of the project could have been enhanced if it would have been supported by a more robust general public awareness or educational component on the importance of SMC. The implementation modality although based on the promotion of an active participatory approach of key stakeholders appeared to have limited participation of local NGO's and academia. This was somewhat offset by the high level of interest and participation demonstrated by the Private sector. The PMU was somewhat successful in

addressing the shortfalls of the ICM's composition by securing the buy-in of all major stakeholders through personal phone calls and office visits.

The difficulties experienced with the implementation of project outputs due to limited local expertise and their availability to conduct project related consultancies were addressed through adaptive management by the hiring of a local Chemicals expert as an advisor to the PMU and ICM to ensure that deliverables met the requirements of the TOR and stakeholders. As a result all expected outputs were successfully completed and a solid foundation has been established for the proper management of chemicals and waste in Belize.

It is recommended that DOE legally establishes the ICM pointed out in Belize's National Profile for the Management of Chemicals and Waste Report and Belize's National PRTR Assessment Report.

It is also recommended that the project document, "Belize/UNEP partnership on development of a coherent legal and institutional framework in Belize for the sound management of chemicals" which has been submitted for funding in *QSPTF Round 10* receive urgent funding to maintain the *high level of interest* currently existing among stakeholders to address SMC challenges confronting Belize.

In addition, Cabinet approval of policy recommendations resulting from project implementation must be secured as a demonstration of government's high level of commitment.

5. Lessons learned

A lesson learnt is the need to ensure effective communication and to have a clearly established channel of communication in order to maintain the level of expected participation of stakeholders. It is also important to ensure at an early stage that the ICM or any project steering committee endeavour to have a balance representation of all sectors at this level of project implementation.

The quality and capability of the project management unit and ICM is paramount. It has been demonstrated in the implementation of other projects, that if experienced and talented people are managing the effort, the chances of success are greatly improved

A lesson learnt is the importance of placing the project execution within the offices of the institution identified as the main focal point. The institutional and technical knowledge on the related subject matter allow for more effective guidance to PMU. The present arrangement facilitated the alignment of project actions with ongoing complementing actions and securing co-financing as well as positioning outcomes for sustainability such as funds obtained from the SG-CCAD for the preparation of the "Belize's National Profile for the Management of Chemicals and Waste" and "Belize's National Pollutant Release and Transfer Register Assessment".

Adaptive management is a recurrent theme apparent during the execution of the project. This especially applies during the tendering process for local consultancy and the decision to clump several smaller consultancies as one package to reduce the time in the tendering process especially in project with short life spans. The disadvantage here is that often time different consultancies require a different set of qualified individuals and the project could run the risk of not obtaining quality deliverables. It is also essential that careful consideration be given in the availability of local experts when scheduling project activities and where there exist a lack of available expertise that other avenues be explored.

Report Document No. 3

Name of the M&E organization: Belize Environmental Technologies								
Project reviewed: Belize SAICM Initiative -Mainstreaming into Development Plans Sound Management of Chemical (SMC) Priorities for Key Development Sectors in Belize and Associated SMC Governance-0070106	Country: Belize	Reporting period: Reporting period: June 1 st ,2009-June 30 th , 2011						

Please list contacts and information on project stakeholders interviewed, or which filled questionnaires.

<u>Name</u>	<u>Title</u>	Organization -sector	Responsibility	Role in project	Contact information	Nature/outcome of
						interview- questionnaire
Martin Alegria,	Chief	Department of	Chief Env. Officer	ICM Chair	802-2816	-Accomplished most of the
(MSc.)	Environmental	Environment		/SAICM National	envirodep@btl.net	objective.
	Officer			Focal Point		-SAICM got included into
						Horizon 2030 - Long Term
						National Development
						Framework for Belize.
						PMU was able to submit a
						follow-up project proposal in
						order to ensure continuity of
						the SAICM initiative.
						Very pleased with the outputs
						of the project and very pleased
						with the excellent support
						received especially by the
						stakeholders – in particular the
						private sector.

Jevon Hulse (MSc)	Sr. Environmental Officer	Department of Environment	Sr. Env. Officer	ICM Alternate Chair /SAICM National Focal Point	802-2816 envirodep@btl.net	-Accomplished most of the objectiveSAICM got included into Horizon 2030 - Long Term National Development Framework for Belize.
Anil Sinha (PhD)	Country Representative	CARDI	Overall management of the institute	ICM Member	824-2934 cardi@btl.net	-Overall the project met it objectivesNeed to finalize the chemical list that will be managed within Belize financial limitationsConsultancy Time Frame too short to enable consultant(s) to cover subject matter in depthRequired Consultants in Chemical ExpertiseNeed enabling legislation to give "teeth" to assist the DOE-National Focal Point with funding to implement project recommendations
Diane Wade Moore	Environmental Programme Analyst	UNDP	Project Execution also Representing UNEP in Belize for this project	ICM Member		
Lloyd Jones (Maj. Ret.)	Director	Institute for Maritime Studies	Overall NGO coordinator	Stakeholder- Marine Environment	664-7618 ims.belize@gmail.com	Phone Call and Questionnaire:-Considers that the objective was metHas increased the awareness of chemical management -Highly recommends a follow- up project for the implementation of the findings and recommendation. Technical assistance should be focused on building domestic capacity to properly manage the transportation, storage, handling and use of chemical whilst the financial assistance should focus on building the necessary

						physical, technological and intellectual capacity to properly manage chemicals.
Albert Roches	Environmental Officer	Belize Natural Energy	Responsible for company environmental matters	ICM Member	823-0354 aroches@belizeenergy.bz	Phone Call and Questionnaire:-Project met its objectiveReports generated were very helpfulProject Manager was competent -Would have liked stakeholder participation in the Prodoc formulationWould have liked this project to have an implementation phase follow immediately without interruption.
Safira Vasquez (MSc.)	Project Manager	SAICM	Overall management of project	Project manager – Member of ICM	802-2816 saicmbze@gmail.com	-All objectives were metMore active ICM and Stakeholders participationSAICM got included into Horizon 2030 - Long Term National Development Framework for BelizeCabinet Paper –with project findings and recommendations needs to be presented to Cabinet at its earliest for government buy-in and approval.
Flint Wagner (BSc.)	District Agricultural Officer –Belize District	Ministry of Agriculture and Fisheries	Government Agricultural Programmes in the Belize District	Stakeholder- Government	651-9419 flintwagner@yahoo.com	Overall project was a success. Agriculture [Ministry and Department] stand to benefit a lot from the results and subsequent projects. Re- enforces some of the extension work being conducted in the country. Strongly suggest and support the second phase.

Jose Encalada (MSc.)	Manager- Pharmaceutical Division	James Brodies Ltd	Overall management of the pharmaceutical division	Stakeholder- Pharmaceuticals	227-7070 brodies@btl.net	Phone Call and Questionnaire: Assisted all the workshops. Information, Discussions and Deliverables provided by the project and workshops were excellent. Need to pay closer attention to Pharmaceuticals as it has been neglected. Proper disposal site for Pharmaceuticals. Belize requires a Pharmaceutical Registration System (can look at PCB's Pesticide Registration as an example) for control of importation, manufacture, and sale of these.
Jose Espat	Operations Mananger	Esso Standard Oil S. A. Limited-Belize Office	Operations of Esso Depot	Stakeholder – petroleum	277-4949 jose.a.espat@exxonmobil.com	Not available at time of phone call. Questionnaire Public awareness/education and pervasive regulatory enforcement to ensure fair competition and sustainable standards. Project greatest accomplishment is the crafting of a solid, prioritized Action Plan Policy-makers and decision-makers should be the targeted participants/attendees as well. Construction of an adequate

						industrial disposal/waste site.
Jose Marenco	Public Health and Environmental Technical Advisor	Ministry of Health		ICM- Member	822-2325 822-2363 Ext.81369 jmarenco@health.gov.bz	Not available at time of phone call.
Erasmo Franklin (PhD)	Manager-Agro- Chemical Division	James Brodies Ltd	Overall management of the agro-chemical division	Stakeholder- Agrochemical- Founding Member of Pesticide Control Board	227-7070 brodies@btl.net ejfranko@gmail.com	Not available at time of phone call.
Amanda Acosta	Executive Director	Belize Audubon Society		NGO Stakeholder	executivedirector@belizeaudubon.org	Questionnaire: Baseline information is always lacking in Belize, the project facilitated the collection of this data. User buy-in is necessary; not sure all the stakeholders were involved throughout the process. Political buy-in in the project can deliver its outcomes as this will facilitate the sourcing of any monies needed to implement.
Vivian Belesle Ramnarace	Fisheries Officer	Fisheries Dept. Ministry of Agriculture and Fisheries		Government	vivian@fisheries.gov.bz	Questionnaire: Require monitoring budget allocation for chemical use in aquaculture and mariculture. Priority setting workshop very useful. Increase public awareness and communication among relevant organizations.
Aida Reyes	Labour Officer I	Labour Department, Orange Walk Town		Government	aid.reyes@labour.gov.bz or amoh_1@yahoo.com	Questionnaire: Department is advising employers and employees on the handling and uses of pesticide and domestic chemicals. Also [conducting] inspections on the transportation of hazardous chemicals and substances in the

					papaya industry. More training, monitoring equipment and human resources to implement SAICM. Involve more business, employers, organizations and other agencies to participate in the workshops and conduct workshops in each 6 Districts. Delegate the task [monitoring] to different departments and not
Ramon Pacheco	Technical Coordinator	Programme for Belize	Private NGO	pfbel@pfbelize.org	only DOE. Questionnaire: Proper Disposal Sites for of used oil, batteries and other polluting agents. Project increased the awareness on the need to properly manage all sorts of chemicals and not only the ones considered "poisons".
					Ensure participation of other potentially polluting companies (e.g. oil) and other major handlers of chemicals. Next Step: Funding for a recycling programme.
Percy Lewis	Foreign Service Officer	Ministry of Foreign Affairs	Government	percy.lewis@mfa.gov.bz	Questionnaire: Project carried out Stakeholder consultations in consort with establishing (new) and revising policy on Chemicals Management. Provide enough project funding

						to thoroughly address policy and ground management priorities.
Modesto Chun	Environment, Health and Safety Administrator	Citrus Products of Belize Limited	C	itrus Stakeholder	modesto@citrusproductsbelize.com	Questionnaire: The company has been applying most of what has been learnt from the workshop especially, the handling of chemicals in the agriculture section of our institution and the storing of such chemicals. The industry needs more people trained in the sound management of chemical and its adverse effect on the persons handling it and the environment. Involve importers and users to more chemical handling workshops. Require on-going research on
						the use and handling of chemicals.
Glenford H. Baptist	Sales Manager	Fabrigas Belize Ltd		ndustrial Gases takeholder	fabrigassales@btl.net	Questionnaire: The SAICM project serves to complement Int'l Stds. that are already in use in Fabrigas operations. The project created a national awareness of the need for a sound Chemical Management Plan. The greater accomplishment will be the implementation of a National Plan with broad base adoption by all stakeholders so that the country can realize the true benefits of a National Chemical

		Management Plan.
		Get more involvement by stakeholders and greater commitment by relevant GOB Authorities.
		Require: Technical and plant support, e.g. the disposal of chemicals that Belize currently does not have the capacity to handle in country.

Project Objective Form D	Report Document No. 4					
Name of the M&E organization: Belize Environmental Technologies						
Project reviewed: Belize SAICM Initiative Mainstreaming into D Management of Chemicals (SMC) Priorities for and Associated SMC Governance Project	-	Country: BELIZE	Reporting period: June 1 st , 2009- June 30 th ,2011 Final Evaluation			
Project Objective: "1. Qualification of the links between priority major chemanagement problem areas and human health and quality in Belize; 2. Identifying what areas of Belize's national SMC government of a realistic phased plan for strength national SMC governance regime; 4. Assistance for Belize to quantify the costs of inactinaction in planning/finance/economic language regarchemical management problem areas (drawn from above); and 5. Propose a path forward to mainstream the highest prisoner.	The Objective were all me overnance sening Belize's on/benefits of ording major objective 1	fulfilment: t and completed within the specified	Project time frame.			
List all activities and actions identified in the work pla Activities and/or Actions Status	n and expected to have been completed a Means of Verification	the time of reporting. Remarks				
Activity Area 1: Adaptive Mgt. PMU in place and capable of effective project management a. Hiring of PM and PA Completed Delayed	Minutes of the PMU and in National Focal Point Ongoing AOPs/AWPs PMU's Monthly and Quart	Project was in Project Ended erly Reports PMU was est to be competed very little time.	isal was Approved in Q1 of 2008 initiated in June 2009. d June 2011. ablished in Q1 of project. The PM appeared ent in the management of project and took the to familiarize herself with projects d expected outputs.			

Project execution within the offices of the institution

			identified as the main focal point was also instrumental in the success of the project.
b. PMU develop comprehensive partner database	☐ Completed ☐ Ongoing ☐ Delayed ☐ Cancelled	List of Stakeholders and List of ICM members. The later is published in the SAICM web site.	PMU was instrumental in securing greater project buy-in and participation by the primary stakeholders. http://www.doe.gov.bz/saicm.htm
c. Purchase of Equipment	☐ Completed ☐ Ongoing ☐ Delayed ☐ Cancelled	AOPs/AWPs PMU's Monthly and Quarterly Reports	The projects equipment will be handed over to DOE.
Activity Area 2: Establish Coordinating Mechanism A sustainable ICM for SMC at the national level d. Establishment of Cross Sectoral Interagency Coordinating Mechanism -		Minutes of the PMU and interview with National Focal Point. AOPs/AWPs PMU's Monthly and Quarterly Reports	The ICM was established with the participation of most stakeholder groups. The ICM group consisted of a total of 11 members (6 Government/Agencies 3 Private Sector and 2 Intergovernmental Organization (IGO)). The PMU and ICM were cognizant that they needed more representation from the other sectors primarily the NGO and Academia. Community based organization were not represented in the ICM. In addition efforts were made to reach out and secure greater participation of three important Ministries (MED, MAF and MOL). It is recommended that DOE legally establishes the ICM pointed out in the Belize's National Profile on the Management of Chemicals and Waste, and the PRTR Assessment Report.
e. Conduct Initiation Workshop/ project awareness activities	Completed Ongoing Delayed Cancelled	Inception Workshop Report – Sep 23 -25, 2009. AOPs/AWPs PMU's Monthly and Quarterly Reports Web Site Creation	The Project was able to incorporate within the Inception Workshop a 3-day awareness activity. The project created it Web site and linked it to the Department of Environment, since the later has a high visitation rate. Ensured the distribution of SAICM Exercise books in the 6 districts of Belize to needy elementary schools.
Activity 3: Research, Analysis and planning in Support of improved SMC Governance Consistent with the Strategic Objectives of SAICM		Consultant Deliverables: 1. National Situation Report-August 2010	PMU was able to effectively ensure the completion of all deliverables within the expected time frames and in accordance with expectation of participating stake holders.
National SMC Report/ Priority setting f. Contract consultants for development of updated SMC (National SMC Situation Report; Draft Priority Action	☐ Delayed ☐ Cancelled	2. Belize Chemicals Management Priority Issues Concept Paper-November 2010 3. National Profile on the Management of Chemicals and Waste December 2010	National Focal Point and the PMU were instrumental in securing the partnership with SG-CCAD for the funding of Consultancy #3. The PMU provided logistical and technical support.

Plan)			
g. Conduct Multi stakeholder consultation/ Validation/Awareness raising workshop		Workshop Report Consultancies Reports Belize SAICM Initiative Chemicals Management VALIDATION Workshop –Nov- Dec 2010	Workshops were well attended
h. Carry out priority setting workshop	☐ Completed ☐ Ongoing ☐ Delayed ☐ Cancelled	Workshop Report/Consultancies Reports Belize SAICM Initiative Chemicals Management Priority Setting Workshop –June 2010	Workshops were well attended
Activity 4: Planning to Implement Priority Actions, Including via Mainstreaming in national Development Plans Economic Analysis / Development Case, Phased plan for addressing priority gaps, Road map for mainstreaming issues into development process i. Contract consultants for development of required deliverables (Economic Analysis for Mainstreaming Priority SMC Issues; SAICM Implementation Plan; Roadmap for mainstreaming SMC in Development Processes)		Consultants deliverables: 1. Economic Analysis Framework-September 2010 2. Economic/Cost Benefit Analysis and Policy Instruments for the Implementation of Good Agricultural Practices in Belize-October 2010 3. Policy Options Analysis Report-October 2010 4. Mainstreaming the Sound Management of Chemicals Priorities —An Action Plan-November 2010	Although it initially had some set back in identifying local contractors, PMU was able to effectively ensure the completion of all deliverables within the expected time frames and in accordance with expectation of participating stake holders.
j. Conduct consultants selection and Activities Support for development of required deliverables (joint effort with SG-CCAD (Belize PRTR Assessment Report)		Belize's National Pollutant Release and Transfer Register (PRTR) Assessment Report	National Focal Point and the PMU were instrumental in securing the partnership with SG-CCAD for the funding of this Consultancy. The PMU provided logistical and technical support.
j. Conduct consultation/ validation workshops for expected deliverables		Belize SAICM Initiative Chemicals Management VALIDATION Workshop –Nov- Dec 2010 Belize's National Pollutant Release and Transfer Register (PRTR) Assessment Consultation/Validation Workshop – 2011	The PMU provided logistical and technical support.

k. Disseminate project deliverables and lesson learnt documents	☐ Completed ☐ Ongoing ☐ Delayed ☐ Cancelled	AOPs/AWPs PMU's Monthly and Quarterly Reports Published in the SAICM web site.	Project Deliverables were all circulated to the stake holder and were also posted o the SAICM Web Site: http://www.doe.gov.bz/saicm.htm
1. Submit documentation addressing the SMC in Belize to the Ministry of Economic Development for inclusion into the National Development Plans		Drafted and submitted SMC documentation to the Ministry of Economic Development for inclusion into Horizon 2030	The inclusion of Sustainable Management of Chemicals as an addressed strategy in Belize's Horizon 2030 Report can be considered as a major accomplishment of the project in integrating and mainstreaming SMC in national strategies and development assistance priorities.
m. To develop a proposal to improve the country's situation on the SMC to be submitted to Round 10 of the SAICM QSP		A project document, "Belize/UNEP partnership on development of a coherent legal and institutional framework in Belize for the sound management of chemicals" has been submitted for funding in QSPTF Round 10.	The time gap between this project and the recently submitted one will not be able take advantage of the existing PMU and project mechanisms in place as well as the high level of interest currently existing among stakeholders to address SMC challenges confronting Belize.
n. Cabinet Papers to be prepared soliciting GOB's commitment to policy recommendations resulting from project implementation	☐ Completed ☑ Ongoing ☐ Delayed ☐ Cancelled	Cabinet Papers were prepared soliciting GOB's commitment to policy recommendations resulting from project implementation.	The Department of Environment to ensure that these document (Cabinet Papers) be submitted at its earliest opportunity to the Belize Cabinet