

Terms of Reference

Consultant title: Expert with strong background in management of liquid chemicals and hazardous wastes, and being well aware with related publications and relevant technical guidelines published by the international specialized organizations and the world bank, covering the aspects of transportation, treatment and final disposal.

Duty station: Cairo, Egypt.

End users: Executives and Officials from the industry, environment and waste disposal agents in the 22 Arab countries, and possibly from other developing countries.

Background

The Basel Convention Regional Centre in Egypt (BCRC-Egypt) is currently implementing a project financed by the Finland Government to assist the countries of the region in the sound management of Hazardous wastes and to efficiently implement the Basel Convention.

Arab countries member to the Basel convention have expressed their needs to technical guidelines for hazardous waste management that include best management options and practices. So far, the BCRC-Egypt have developed guidelines for landfilling hazardous wastes in hyper-dry areas, guidelines for recycling of used oils, adopted the methodological guide for undertaking hazardous wastes national inventories and is currently translating the documents published by the MPPI on used and end of life mobile phones. The main purpose and objective of producing these guidelines and documents is to increase the awareness in the region towards the sound management of hazardous wastes. The Project Steering committee in its second meeting 14-15 March 2007 approved that BCRC-Egypt dedicates some of its resources to develop a comprehensive technical guidelines for the management of liquid hazardous wastes. The present ToRs provides for producing another important guidelines that deals with liquid hazardous wastes. This comes as a response to a request from some Arab countries who sees the management of liquid hazardous wastes as a priority need. A consultant is needed to assist BCRC-Egypt prepare and compile these important guidelines:

The consultant should consult the following reference material for the preparation of the subject guidelines he also should use other material and sources of information as needed:

Basel Convention Technical Guidelines on Hazardous Waste from the Production and use of Organic Solvents (Y6)

Basel Convention Technical Guidelines on Waste Oils from Petroleum Origins and Sources (Y8);

Basel Convention Technical Guidelines on Specially Engineered Landfill (D5)

Basel Convention Technical Guidelines on Incineration on Land (D10)

Basel Convention Technical Guidelines on Used Oil Re-Refining or Other Re-Uses of Previously Used Oil (R9)

Basel Convention Technical Guidelines on Hazardous Waste Physico-Chemical Treatment (D9) / Biological Treatment (D8)

Scope of work:

The consultant will use his expertise to collect the above mentioned reference material and other references that will help him to prepare a quality and easy access guidelines tha covers all aspects of liquid hazardous wastes management. The guidelines should include at least the following basic sections:

- a. Definition of the liquid hazardous wastes, liquid haz waste streams
- b. Main industry sectors that generates liquid hazardous wastes and most common types
- c. Impact of improper handling and disposal of liquid hazardous wastes.
- d. Handling liquid hazardous wastes
 - 1- Storage
 - 2- transportation
- e. Management options for liquid hazardous waste
 - 1- A description of the purpose, scope and definition of the operation and a description of technologies as well as a description of the efficiency of the operation; that usually result in liquid hazardous wastes.
 - 2- A description of environmental hazards;
 - 3- The identification of opportunities for waste avoidance;
 - 4- The identification of opportunities for recovery;
 - 5- A description of criteria for the sound operation of technology and related safety aspects; to include, as appropriate, for information purposes, examples of national and international standards and regulations;
 - 6- Guidance on monitoring, and when required, appropriate corrective action;
 - 7- Guidance on closure plans and aftercare;
 - 8- A comment on the economic aspects of the disposal or recovery operation;
- f. A glossary of terms.

Duties of the consultant:

- 1- Collect and summarize information on best practices and experiences for disposal, transfer and treatment of the hazardous liquid waste management.

- 2- Prepare the guidelines for the hazardous liquid waste management in English and Arabic versions
- 3- Prepare and give presentations outlying the prepared guidelines.

Deliverables:

- Guidelines for liquid hazardous waste management (English and Arabic versions)
- Seminar to Present the Guidelines to the BCRC-Egypt and other stakeholders.

Duration

The total contract duration will be three months with a one and half Man Month input

Profile of the Consultant:

The consultant should be

- 1- Has a degree in chemical engineering, chemistry, environmental sciences or relevant related fields.
- 2- Has at least 5-years experience in the environmental field
- 3- Well aware with the Basel and other MEAs conventions and their provisions regarding waste management.
- 4- Well aware with the best environmental practices for management of liquid hazardous wastes
- 5- Capable of understanding and expressing in English language.

Remuneration

The total remuneration is US\$ 6,000

Interested applicants should send their resume to:

Basel Convention Regional Cenetr for Arab States (BCRC-Egypt)

Cairo University Center For Environmental Hazard Mitigation

Cairo University Giza – Egypt

Tel : +20 2 35719 688 Fax: +20 2 35717565

Email: cairo_basel@baselegypt.org

Interested applicants should submit letters of interest and CVs before 25th December, 2007.