

Task Order No. 832
USAID Contract No. PCE-I-00-96-00002-00

Egyptian Environmental Policy Program
Program Support Unit

WORK ASSIGNMENT REPORT
Tranche 2, Policy Measure 6.2

Geographical Survey of Potential Disaster Sources

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for
U.S. Agency for International Development
Cairo

by
Environmental Policy & Institutional Strengthening
Indefinite Quantity Contract (EPIQ)

A USAID-funded project consortium led by International Resources Group, Ltd.

Fact Sheet

USAID Contract No.:	PCE-I-00-96-00002-00 Task Order No. 832
Contract Purpose:	Provide core management and analytical technical services to the Egyptian Environmental Policy Program (EEPP) through a Program Support Unit (PSU)
USAID/Egypt’s Cognizant Technical Officer:	Holly Ferrette
Contractor Name:	International Resources Group, Ltd.
Primary Beneficiary: (EEAA)	Egyptian Environmental Affairs Agency
EEAA Counterpart:	Mohamed A. Borhan Director General, Coastal Zone Management General Directorate, and National Oil Spill Contingency Plan Coordinator
EEPP Policy Objective:	Increased GoE capacity to conduct long-term strategic planning, policy formulation, analysis, and coordination
EEPP Policy Measure:	EEAA develops and adopts a strategic National Environmental Disaster Contingency Management Plan
Work Assignment Title:	Provide assistance regarding national environmental disaster contingency management planning
Work Assignment Author:	Mohamed Rashed
Work Assignment Supervisor:	Will Owen
Work Assignment Period:	September – December 2001

Preface

Through competitive bidding, the U.S. Agency for International Development (USAID) awarded a multi-year contract to a team managed by International Resources Group, Ltd. (IRG) to support the development and implementation of environmentally sound strategic planning, and strengthening of environmental policies and institutions, in countries where USAID is active. Under this contract, termed the Environmental Policy and Institutional Strengthening Indefinite Quantity Contract (EPIQ), IRG is assisting USAID/Egypt with implementing a large part of the Egyptian Environmental Policy Program (EEPP).

This program was agreed-to following negotiations between the Government of the United States, acting through USAID, and the Arab Republic of Egypt, acting through the Egyptian Environmental Affairs Agency (EEAA) of the Ministry of State for Environmental Affairs, the Ministry of Petroleum's Organization for Energy Planning, and the Ministry of Tourism's Tourism Development Authority. These negotiations culminated with the signing of a Memorandum of Understanding in 1999, whereby the Government of Egypt would seek to implement a set of environmental policy measures, using technical support and other assistance provided by USAID. The Egyptian Environmental Policy Program is a multi-year activity to support policy, institutional, and regulatory reforms in the environmental sector, focusing on economic and institutional constraints, cleaner and more efficient energy use, reduced air pollution, improved solid waste management, and natural resources managed for environmental sustainability.

USAID has engaged the EPIQ contractor to provide Program Support Unit (PSU) services to EEPP. The PSU has key responsibilities of providing overall coordination of EEPP technical assistance, limited crosscutting expertise and technical assistance to the three Egyptian agencies, and most of the technical assistance that EEAA may seek when achieving its policy measures.

The EPIQ team includes the following organizations:

- Prime Contractor: International Resources Group
- Partner Organization: Winrock International
- Core Group:
 - Management Systems International, Inc.
 - PADCO
 - Development Alternatives, Inc.
- Collaborating Organizations:
 - The Tellus Institute
 - KBN Engineering & Applied Sciences, Inc.
 - Keller-Bliesner Engineering
 - Conservation International
 - Resource Management International, Inc.
 - World Resources Institute's Center For International Development Management
 - The Urban Institute
 - The CNA Corporation.

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Contents

Fact Sheet	i
Preface	ii
List of Tables.....	iii
Acronyms	iv
Introduction	1

List of Tables

Table 1	Geographical Survey of Potential Disaster Sources, Cairo Governorate	1
Table 2	Geographical Survey of Potential Disaster Sources, Alexandria Governorate	1
Table 3	Geographical Survey of Potential Disaster Sources, Giza Governorate	2
Table 4	Geographical Survey of Potential Disaster Sources, Kaliobia Governorate	2
Table 5	Geographical Survey of Potential Disaster Sources, Gharbia Governorate	2
Table 6	Geographical Survey of Potential Disaster Sources, Sharkia Governorate	3
Table 7	Geographical Survey of Potential Disaster Sources, Suez Governorate	3
Table 8	Geographical Survey of Potential Disaster Sources, Dakahlia Governorate	3
Table 9	Geographical Survey of Potential Disaster Sources, El-Beheira Governorate	3
Table 10	Geographical Survey of Potential Disaster Sources, Assuit Governorate	4
Table 11	Geographical Survey of Potential Disaster Sources, Aswan Governorate	4
Table 12	Geographical Survey of Potential Disaster Sources, Sohag Governorate	4
Table 13	Geographical Survey of Potential Disaster Sources, Port Said Governorate	4
Table 14	Geographical Survey of Potential Disaster Sources, Menofia Governorate	4
Table 15	Geographical Survey of Potential Disaster Sources, Qena Governorate	4
Table 16	Geographical Survey of Potential Disaster Sources, Minya Governorate	5

Abbreviations, Acronyms, and Glossary

ATF	Agency Task Force
CEO	Chief Executive Officer (of EEAA)
COP	Chief of Party
CTO	Cognizant Technical Officer. This is the USAID person responsible for supervising a technical assistance contractor.
EDMU	Environmental Disaster Management Unit (of EEAA)
EEAA	Egyptian Environmental Affairs Agency
EEPP	Egyptian Environmental Policy Program (a USAID-funded program aimed at achieving a series of environmental policy reform performance objectives)
EEPP-PSU Unit	Egyptian Environmental Policy Program, Program Support Unit
EPIQ	Environmental Policy and Institutional Strengthening Indefinite Quantity Contract. This is a contract issued by USAID’s Global Bureau that enables environmental policy services to be provided to USAID missions worldwide.
GoE	Government of Egypt
H	High
IC	Industrial cities
IRG	International Resources Group, Ltd. (a Washington DC-based consulting firm that is prime contractor for USAID’s EPIQ contract)
km ²	Square kilometers
L	Low
M	Medium
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MoV	Means of Verification
MSEA	(Egyptian) Ministry of State for Environmental Affairs
MVE	Monitoring, Verification, & Evaluation (MVE is a the USAID-funded unit established to monitor, verify and evaluate progress of EEPP. It is being implemented by the US-based company Chemonics International)
NEDCMP	National Environmental Disaster Contingency Management Plan
OEP	(Egyptian) Organization for Energy Planning (attached to the Ministry of Petroleum)
PSU	Program Support Unit (the name of the USAID-funded contract that is to provide overall coordination for the EEPP, as well as provide technical assistance to EEAA under the EEPP)
SK	Shoubra El-Kheima
TDA	(Egyptian) Tourism Development Authority (attached to the Ministry of Tourism)
ToR	terms of reference
USAID	U.S. Agency for International Development

Introduction

The main potential sources for hazards that may cause environmental disasters are industry, transportation, and large facilities for storing fuel. These potential sources of environmental disasters were previously identified using relevant criteria. Accordingly, a geographical survey was conducted to locate and map the identified potential sources.

The tables show the surveyed potential sources, e.g. industry, transportation, and large facilities for storing fuel:

Table 1 Geographical Survey of Potential Disaster Sources, Cairo Governorate

Category	Plant Name/Location
Industry	Nasr Co. for Coke & Chemicals
	Misr for Pharmaceutical Industries
	Cairo for Pharmaceutical & Chemical Industries
	Nile for Pharmaceutical & Chemical Industries
	Arabic for Pharmaceutical & Chemical Industries
	Phizer
	Misr for Iron & Steel
	Nasr Co. for Automotive
	Misr for Leather Tanning
	Misr for Pipes & Cement Products
Tanneries	
Transportation	
Aviation	Cairo Airport
Railways	Cairo–Alexandria
	Cairo–Aswan
	Cairo–Port Said
Highways/Roads	Cairo–Alexandria Agricultural Road
	Cairo–Alexandria Desert Road
	Cairo–Aswan Highway
Storage	Sawah, on the Ismailia Canal
Landfills	Outskirts
Wastewater Treatment Plants	Helwan, Cairo

Table 2 Geographical Survey of Potential Disaster Sources, Alexandria Governorate

Category	Plant Name/Location
Industry	Amria for Petroleum
	Transportation & Engineering
	Amria for Pharmaceutical Industries
	Misr for Chemical Industries
	Nile for Matches (Moharam Bik)
	Nile for Matches (Manshia)
	Abou Kir Fertilizers
Tanneries (cluster)	

Category	Plant Name/Location
Transportation	
Aviation	El-Nozha Airport
Railways	Cairo–Alexandria
Highways/Roads	Cairo–Alexandria Agricultural Road
	Cairo–Alexandria Desert Road
Storage	Seaport (maximum area)
Landfills	Outskirts
Wastewater Treatment Plants	Southeast
	Southwest

Table 3 Geographical Survey of Potential Disaster Sources, Giza Governorate

Category	Plant Name/Location
Industry	Developing Chemical Industries
	Misr for Sugar, Refining, and Chemicals
	Eastern Co. for Tobacco
	Nile Co. for Matches
Transportation	
Railways	Cairo–Aswan
Highways/Roads	Cairo–Alexandria Agricultural Road
	Cairo–Alexandria Desert Road
	Cairo–Aswan Highway
Landfills	Outskirts
Wastewater Treatment Plants	Zenein

Table 4 Geographical Survey of Potential Disaster Sources, Kaliobia Governorate

Category	Plant Name/Location
Industry	Abou Zaabal Fertilizers
	Plastics and Chemicals
	Nasr for Pharmaceutical Industries
	Cairo for Petrol Refining
	Nasr for Rubber Products
Transportation	
Railways	Cairo–Alexandria
Highways/Roads	Cairo–Alexandria Agricultural Road
Landfills	Outskirts
Wastewater Treatment Plants	Shoubra El-Kheima

Table 5 Geographical Survey of Potential Disaster Sources, Gharbia Governorate

Category	Plant Name/Location
Industry	Misr Financial & Industrial (Fertilizer)
	Kafr El-Zayat for Pesticides
	Egyptian–French Co. for Rubber Production
	Cairo for Petrol Refining

Category	Plant Name/Location
Transportation	
Railways	Cairo–Alexandria
Highways/Roads	Cairo–Alexandria Agricultural Road
Landfills	Outskirts
Storage	East of Tanta City

Table 6 Geographical Survey of Potential Disaster Sources, Sharkia Governorate

Category	Plant Name/Location
Industry	Egyptian (International) for Pharmaceutical Industries
	United for Trading & Agencies (El-Blaidy)
Landfills	Outskirts

Table 7 Geographical Survey of Potential Disaster Sources, Suez Governorate

Category	Plant Name/Location
Industry	Nasr for Fertilizers & Chemicals
	Suez Petroleum
	Nasr for Petroleum
Transportation	
Railways	Cairo–Suez
Highways/Roads	Cairo–Suez
Landfills	Outskirts
Storage	Zayteia Seaport, south of the City

Table 8 Geographical Survey of Potential Disaster Sources, Dakahlia Governorate

Category	Plant Name/Location
Industry	Nasr for Fertilizers & Chemicals Industries
Landfills	Outskirts

Table 9 Geographical Survey of Potential Disaster Sources, El-Beheira Governorate

Category	Plant Name/Location
Industry	Dyes & Chemicals
	Misr for Synthetic Silk Textiles
Transportation	
Railways	Cairo–Alexandria
Highways/Roads	Cairo–Alexandria Agricultural Road
	Cairo–Alexandria Desert Road
Landfills	Outskirts
Storage	Kafr el-Dawar, west of the City

Table 10 Geographical Survey of Potential Disaster Sources, Assuit Governorate

Category	Plant Name/Location
Industry	Misr Financial & Industrial (Fertilizer)
	Developing Chemical Industries
	Petrol Refining Laboratory
Transportation	
Railways	Cairo–Aswan
Highways/Roads	Cairo–Aswan
Landfills	Outskirts
Storage	East of Assuit City, at the railway

Table 11 Geographical Survey of Potential Disaster Sources, Aswan Governorate

Category	Plant Name/Location
Industry	Misr for Chemical Industries (KIMA)
Transportation	
Railways	Cairo–Aswan
Highways/Roads	Cairo–Aswan
Landfills	Outskirts

Table 12 Geographical Survey of Potential Disaster Sources, Sohag Governorate

Category	Plant Name/Location
Transportation	
Railways	Cairo–Aswan
Highways/Roads	Cairo–Aswan
Landfills	Outskirts

Table 13 Geographical Survey of Potential Disaster Sources, Port Said Governorate

Category	Plant Name/Location
Transportation	
Railways	Port Said–Suez
Highways/Roads	Port Said–Suez
Landfills	Outskirts
Storage	Seaport

Table 14 Geographical Survey of Potential Disaster Sources, Menofia Governorate

Category	Plant Name/Location
Landfills	Outskirts

Table 15 Geographical Survey of Potential Disaster Sources, Qena Governorate

Category	Plant Name/Location
Landfills	Outskirts

Table 16 Geographical Survey of Potential Disaster Sources, Minya Governorate

Category	Plant Name/Location
Landfills	Outskirts