

# **Environmental Policy and Technology Project**

Contract No. CCN-0003-Q-O9-3165-00

## **UKRAINE Startup Report Donetsk Technical Information Center on Industrial Waste Management**

**Delivery Order #9, Task U-1, Subtask 2.8  
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Prepared for:  
**U.S. Agency for International Development  
Regional USAID Mission to Ukraine, Belarus & Moldova**

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Office of Environment, Energy & Urban Development  
Environment & Natural Resources Division**

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For the New Independent States of the former Soviet Union**

**A USAID Project Consortium Led by CH2M HILL**

## PREFACE

Under the 1992 Freedom Support Act, the United States Congress initiated a program to provide various forms of assistance to new independent states (NIS) of the former Soviet Union. Cooperative Agreements were signed between representatives of the U S government and each country in which assistance was to be undertaken. The U S Agency for International Development (USAID) was given the responsibility to coordinate all U S government assistance to the NIS under the Act.

Through competitive bidding, USAID awarded a multi-year contract to a team managed by CH2M HILL International Services, Inc (CH2M HILL) to support implementation of an environmental assistance program to republics of the former Soviet Union. Under this contract, termed the Environmental Policy & Technology (EPT) Project, CH2M HILL is to assist USAID's missions in Moscow, Kyiv, and Almaty undertake a program to promote environmental improvements in the NIS. The USAID mission in Kyiv supports environmental, and other, assistance programs to Ukraine, Belarus, and Moldova. CH2M HILL established an office in Kyiv from which to perform services in these countries under the EPT Project.

This report was prepared as a contractually required deliverable under a contract between USAID and CH2M HILL. Although work on this report was conducted in cooperation with the assisted governments and USAID, the findings and recommendations are those of the CH2M HILL team. They do not necessarily represent official positions of the governments of the assisted countries nor of the United States of America.

The CH2M HILL team includes the following organizations:

- Center for International Environmental Law
- Clark Atlanta University/HBCUMI Environmental Consortium
- Consortium for International Development
- Ecojuris
- Environmental Compliance, Inc
- Harvard Institute for International Development
- Hughes Technical Services Company
- International Programs Consortium
- International Resources Group, Ltd
- Interfax Newsagency
- K&M Engineering
- Ogden Environmental and Energy Services Company
- Price Waterhouse
- World Wildlife Fund (US)

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## NOTE ON TRANSLITERATION

Ukrainian personal, institutional, and place names used in this report have been transliterated into English from the Ukrainian (not Russian) language, according to the modified U S Library of Congress standard for Ukrainian-to-English transliteration that has been adopted by many Western organizations and publications, including the *Encyclopedia of Ukraine*, (University of Toronto Press, 5 vols 1984-1993) and O Subtelny's authoritative *Ukraine A History* (University of Toronto Press, 1994, 2nd Edition), as well as the Ukrainian Commission on Legal Terminology (Resolution No 9, dated 19 April 1996)

# TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
Abbreviations, Acronyms & Glossary . . . . .	iv
1. Introduction . . . . .	1
2. TIC Start-Up . . . . .	2

## ABBREVIATIONS, ACRONYMS & GLOSSARY

CH2M HILL	CH2M HILL International Services, Inc , which is a U S -based international environmental engineering consulting firm under contract to USAID to implement a large component of the EPT Project
DO	Delivery Order
EPT	Environmental Policy & Technology (Project). A USAID-funded program to provide environmental assistance to New Independent States of the former Soviet Union
MEPNS	Ministry for Environmental Protection & Nuclear Safety of Ukraine
MEPNS-DO	The Donetsk Oblast office of MEPNS
NIS	New Independent States (of the former Soviet Union)
oblast	A government territorial-administrative unit in the former Soviet Union that is still in use following Ukraine's independence. A U S. analogue would be something between a state and a county.
TIC	Technical Information Center
USAID	U S Agency for International Development
USEPA	U S. Environmental Protection Agency
WEC	World Environment Center, which is a U.S.-based international environmental non-profit organization that has a grant from USAID to implement a component of the EPT Project

## Section 1

### INTRODUCTION

As part of a United States government bilateral assistance program, the U.S. Agency for International Development (USAID) is supporting environmental management in Ukraine. Under direction from USAID, a consortium led by CH2M HILL International Services, Inc (CH2M HILL), is implementing part of USAID's Environmental Policy & Technology (EPT) Project by undertaking various tasks that have been agreed to by representatives of the governments of both countries.

USAID authorized CH2M HILL to perform a series of tasks in Ukraine under Delivery Order (DO) No. 9. Task U-1 (Donetsk Industrial Waste Management) included a requirement (Subtask 2.8)<sup>1</sup> for CH2M HILL to prepare a *Report on the start-up of the Technical Information Center*. This document is in response to USAID's requirement, and covers activities during 1995 and the first quarter of 1996. CH2M HILL previously prepared and submitted a report<sup>2</sup> on the feasibility of establishing the Technical Information Center (TIC), which provided an overview of the role of the center, as well as its location, resources, equipment, staffing, and funding requirements.

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<sup>1</sup> Subtask 2.8 of Delivery Order 9 Task U-1 states: *Activity 2.8 Technical Information Center -- The contractor shall identify the opportunities for the development and start-up of a technical information resource center (preferably located at an academic institution which can serve the public, enterprise and government sectors) which can serve as a clearing house for transfer of technological information to the [Donetsk] Oblast enterprises, the public and to the Ministry of the Environment and Nuclear Safety. The contractor shall provide technical assistance to the institution which demonstrates the best opportunity for immediate impact and sustainability of such a center. If determined necessary, the contractor shall provide telecommunications and computer support equipment which will allow the center to access other existing informational resources and/or to distribute materials. For this delivery order, the contractor shall prepare a feasibility report containing the information stated above with recommendations on how to assure the sustainability of the center.*

In addition, the list of deliverables to be submitted to USAID as part of Task U-1 includes a *Report on the start-up of the Technical Information Center*.

<sup>2</sup> See CH2M HILL EPT Project report to USAID titled *Ukraine Feasibility Report, Donetsk Technical Information Center on Industrial Waste Management*, dated April 1996.

## Section 2

### TIC START-UP

The TIC was envisaged as a centralized repository of information and resources regarding management of industrial wastes within the most heavily industrialized and polluted region of Ukraine. The TIC was also to serve as a

- premises for the EPT Project's resident adviser in Donetsk
- facility in which to conduct industrial waste management training of representatives from industrial enterprises and regulators from Donetsk oblast and elsewhere

Authorization for the EPT Project's Donetsk resident adviser was received from USAID in late August 1995. CH2M HILL recruited the adviser in September 1995, who then relocated to Donetsk the following month. Shortly thereafter, the adviser commenced searching for a premises in which to locate the TIC, as well as initiated the identification and procurement of suitable reference material.

An agreement was reached with the Donetsk State Technical University, which allowed the TIC to be established on one floor of a building that is part of the downtown campus of the University (physical address: 131-A Artema Street, Donetsk 340000, Ukraine). Partial refurbishment of the TIC premise was conducted by the University, prior to commencement of TIC operations. Upgrades were made by the EPT Project to the physical premises, such as improved electrical and communication wiring, toilets, shelving, and security.

Activities at the TIC have initially focused on providing training to local industry and environmental regulators regarding modern waste management and pollution prevention practices, and to assist in coordinating other USAID implementer programs in the region, such as the U.S. Environmental Protection Agency (USEPA) and the World Environment Center (WEC). To facilitate the training and assist in addressing environmental problems, publications, technical reports, and software, have been ordered and are in the process of being delivered, and Internet access was initiated. These resources have been made accessible to industry and regulatory representatives both within and outside Donetsk oblast.

Users of the TIC have included representatives from:

- the Ministry for Environmental Protection & Nuclear Safety (MEPNS)
- the MEPNS Donetsk oblast office (MEPNS-DO)
- other USAID-funded entities undertaking environmental activities in Ukraine
- industrial enterprises, primarily from Donetsk oblast
- technical staff and students from Donetsk State Technical University
- local environmental citizens's organizations.

Several workshops were conducted, in conjunction with USEPA and WEC on environmental auditing and industrial waste management practices. These workshops were attended by over 50 industry and agency participants, mainly from Donetsk oblast.

Staff of the TIC includes the following:

- one full-time expatriate resident adviser and TIC director (Dr. N.P. Cheremisinoff), a chemical engineer with over 20 years experience in environmental management
- one full-time office manager
- one part-time librarian and information specialist
- several part-time support staff who provide clerical, translation, and interpreting services.

Apart from technical reference material, the TIC is in the process of being equipped with office and training equipment, including computers, copiers, telecommunications and audio-visual technology, and conference facilities.