



**GUIDELINES ON BEST AVAILABLE TECHNIQUES AND  
PROVISIONAL GUIDANCE ON BEST ENVIRONMENTAL PRACTICES  
RELEVANT TO ARTICLE 5 AND ANNEX C OF  
THE STOCKHOLM CONVENTION ON  
PERSISTENT ORGANIC POLLUTANTS**

**DECEMBER 2006**

**GENEVA, SWITZERLAND**

## TABLE OF CONTENTS

### SECTION I: INTRODUCTION

<b>I.A</b>	PURPOSE
<b>I.B</b>	STRUCTURE OF DOCUMENT AND USING GUIDELINES AND GUIDANCE
<b>I.C</b>	CHEMICALS LISTED IN ANNEX C: DEFINITIONS, RISKS, TOXICITY
<b>I.D</b>	ARTICLE 5 AND ANNEX C OF THE STOCKHOLM CONVENTION
<b>I.E</b>	RELATIONSHIP TO THE BASEL CONVENTION
<b>I.F</b>	RELATIONSHIP TO OTHER ENVIRONMENTAL CONCERNS

### SECTION II: CONSIDERATION OF ALTERNATIVES IN THE APPLICATION OF BEST AVAILABLE TECHNIQUES

<b>II.A</b>	CONSIDERATION OF ALTERNATIVES IN THE STOCKHOLM CONVENTION
<b>II.B</b>	THE STOCKHOLM CONVENTION AND NEW SOURCES
<b>II.C</b>	AN APPROACH TO CONSIDERATION OF ALTERNATIVES
<b>II.D</b>	OTHER CONSIDERATIONS OF THE STOCKHOLM CONVENTION

### SECTION III: BEST AVAILABLE TECHNIQUES AND BEST ENVIRONMENTAL PRACTICES: GUIDANCE, PRINCIPLES AND CROSS-CUTTING CONSIDERATIONS

<b>III.A</b>	GUIDANCE
<b>III.B</b>	GENERAL PRINCIPLES AND APPROACHES
<b>III.C</b>	CROSS-CUTTING CONSIDERATIONS: (i) CHEMICALS LISTED IN ANNEX C: FORMATION MECHANISMS (ii) WASTE MANAGEMENT CONSIDERATIONS (iii) CO-BENEFITS OF BEST AVAILABLE TECHNIQUES FOR CHEMICALS LISTED IN ANNEX C (iv) MANAGEMENT OF FLUE GAS AND OTHER RESIDUES (v) TRAINING OF DECISION MAKERS AND TECHNICAL PERSONNEL (vi) TESTING, MONITORING AND REPORTING

### SECTION IV: COMPILATION OF SUMMARIES FROM THE SOURCE CATEGORIES INCLUDED IN SECTIONS V AND VI

	SUMMARIES OF SECTION V: SOURCE CATEGORIES INCLUDED IN PART II OF ANNEX C SUMMARIES OF SECTION VI: SOURCE CATEGORIES INCLUDED IN PART III OF ANNEX C
--	--

### SECTION V: GUIDANCE/GUIDELINES BY SOURCE CATEGORIES: SOURCE CATEGORIES IN PART II OF ANNEX C

<b>V.A</b>	WASTE INCINERATORS (i) MUNICIPAL SOLID WASTE, HAZARDOUS WASTE AND SEWAGE SLUDGE (ii) MEDICAL WASTE
------------	--

<b>V.B</b>	CEMENT KILNS FIRING HAZARDOUS WASTE
<b>V.C</b>	PRODUCTION OF PULP USING ELEMENTAL CHLORINE OR CHEMICALS GENERATING ELEMENTAL CHLORINE
<b>V.D</b>	THERMAL PROCESSES IN THE METALLURGICAL INDUSTRY (I) SECONDARY COPPER PRODUCTION (II) SINTER PLANTS IN THE IRON AND STEEL INDUSTRY (III) SECONDARY ALUMINIUM PRODUCTION (IV) SECONDARY ZINC PRODUCTION
<b>SECTION VI: GUIDANCE/GUIDELINES BY SOURCE CATEGORIES: SOURCE CATEGORIES IN PART III OF ANNEX C</b>	
<b>VI.A</b>	OPEN BURNING OF WASTE, INCLUDING BURNING OF LANDFILL SITES
<b>VI.B</b>	THERMAL PROCESSES IN THE METALLURGICAL INDUSTRY NOT MENTIONED IN ANNEX C PART II (I) SECONDARY LEAD PRODUCTION (II) PRIMARY ALUMINIUM PRODUCTION (III) MAGNESIUM PRODUCTION (IV) SECONDARY STEEL PRODUCTION (V) PRIMARY BASE METALS SMELTING
<b>VI.C</b>	RESIDENTIAL COMBUSTION SOURCES
<b>VI.D</b>	FOSSIL FUEL-FIRED UTILITY AND INDUSTRIAL BOILERS
<b>VI.E</b>	FIRING INSTALLATIONS FOR WOOD AND OTHER BIOMASS FUELS
<b>VI.F</b>	SPECIFIC CHEMICAL PRODUCTION PROCESSES RELEASING CHEMICALS LISTED IN ANNEX C
<b>VI.G</b>	CREMATORIA
<b>VI.H</b>	MOTOR VEHICLES, PARTICULARLY THOSE BURNING LEADED GASOLINE
<b>VI.I</b>	DESTRUCTION OF ANIMAL CARCASSES
<b>VI.J</b>	TEXTILE AND LEATHER DYEING (WITH CHLORANIL) AND FINISHING (WITH ALKALINE EXTRACTION)
<b>VI.K</b>	SHREDDER PLANTS FOR THE TREATMENT OF END-OF-LIFE VEHICLES
<b>VI.L</b>	SMOLDERING OF COPPER CABLES
<b>VI.M</b>	WASTE OIL REFINERIES