

CALCULATION FOR DETERMINING THE QUANTITIES OF POLLUTING MATTER EMISSIONS INTO THE AIR FROM COAL MINES AND OTHER MINERAL RAW MATERIALS



Summary

These Guidelines was prepared in accordance with the rules applicable to reporting under the UNECE Convention on Long-Range Transboundary Air Pollution (CLRTAP) and the UN Framework Convention on Climate Change (UNFCCC). Methodologies for preparing data for reporting are detailed in Technical Report no. 9/2009 "EMEP/EEA air pollutant emission inventory guidebook" of the European Environment Agency and "2006 IPCC Guidelines for National Greenhouse Gas Inventories" of the Intergovernmental Panel on Climate Change.

The Guidelines is intended for legal and natural persons who own or manage open or closed coal mines in order to estimate the amount of pollutant emissions emitted into the air during the production process. In accordance with the UNECE Protocol on PRTRs and the EU's E-PRTR Regulation, open and closed mines that are larger than the areas shown in Table 1 of this document, have the obligation to submit data to the national PRTR register.

The Guidelines is divided into six chapters. In the first chapter, introductory notes are given about the Guidelines, as well as to whom the Guidelines is intended. In the second chapter, the reporting obligations are briefly presented, while in the third chapter, an overview is given of the sources of polluting substances that are reported. The fourth chapter is devoted to the methodology for assessing the quantities of pollutants emitted into the air from underground mines and open mines, including emission factors for coal mining, emission factors for exploitation of other mineral raw materials and measures to reduce emissions.

In the fifth chapter, the methodology for calculating the amount of pollutants emitted into the air from originating from the mining of coal and other mineral raw materials is presented. In order to make the calculation as easy as possible, this chapter presents the tables that need to be filled out in order to obtain the quantities of emitted polluting substances originating from the mining of coal and other mineral raw materials. Tables 5-1 and 5-2 provide the methodology for calculating the emitted quantities of pollutants from open pits and underground coal mines. In Table 5-3, the methodology for calculating the emitted quantities of pollutants from the mines of mineral raw materials, other than coal, is given. Finally, in the 6th chapter, the relevant literature related to the subject of the Guidelines is listed.

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TABLE OF CONTENTS

1.0 INTRODUCTION

2.0 REPORTING OBLIGATIONS, POLLUTANTS

3.0 SOURCES OF AIR POLLUTANTS EMISSIONS

4.0. METHODOLOGY FOR ASSESSING THE QUANTITIES OF POLLUTANTS EMITTED INTO THE AIR
FROM UNDERGROUND MINES AND OPEN MINES

4.1. Emission factors for coal mining

4.2. Emission factors for exploitation of other mineral raw materials

4.3. Measures to reduce emissions

5. CALCULATION OF THE QUANTITIES OF POLLUTING MATTER EMISSIONS

6. LITERATURE