

208/1996 Collection of Laws
REGULATION
of the Ministry of Environment of the Slovak Republic
dated 3 July 1996
on the programme of decreasing of emissions

The Ministry of Environment of the Slovak Republic under Article 17j Act of the Slovak National Council number 134/1992 Collection of Laws on state administration of the protection of atmosphere in wording of the Act of the National Council of the Slovak Republic number 148/1994 Collection of Laws decrees :

Article 1

- 1) protection of atmosphere against pollutants in wording of the Act of the National Council of the Slovak Republic number 148/1994 Collection of Laws and Act of the national Council of the Slovak Republic number 256/1995 Collection of Laws

Article 2

The programme is being worked out as an information material especially for elaborating of programme for limiting of polluting of atmosphere 2) and for information to the public about polluting of environment from sources of pollution and about measures which are being executed for limitation of this pollution.

For example Article 7 of the Ministry of Environment of the Slovak Republic number 112/1993 Collection of Laws on delimitation of areas requiring special protection of atmosphere and on operation of smog This Regulation specifies details concerning programme on decreasing of emissions from the atmosphere polluting source (hereinafter only "programme"), which is worked out by operators of selected big and medium size sources of polluting of atmosphere 1) (hereinafter only operator of the selected source"); selected big and medium size source of polluting of atmosphere are entered in attachment number 1.

- 2) Article 7 paragraph 1m Act number 309/1991 Collection of Laws on warning and regulatory systems.
- 3) Article 7 paragraph 1k Act number 309/1991 Collection of Laws in wording of Act of the national Council of the Slovak Republic number 148/1994 Collection of Laws.

Article 3

- 1) The programme contains
 - a) basic data concerning the source of pollution of the atmosphere, which are necessary for its identification
 - b) technical and technological data about the source of pollution of the environment
 - c) dispersion conditions of emissions before implementation of the programme and after implementation
 - d) procedure of steps which will be taken in order to put the operation of existing source of pollution of atmosphere in compliance with the requirements enacted by a special regulation, 5)
 - e) measures resulting from the procedure under letter d and their influence on quality of the atmosphere in the year, in which the operation of the source of pollution of the atmosphere will be put in compliance enacted by a special regulation. 5)
- 2) The programme is set up according to the scheme entered in attachment number 2 for the period until 31st December 2009 and is broken into phases :
 - a) from 1st January 1997 to 31st December 1998
 - b) from 1st January 1999 to 31st December 2004

c) from 1st January 2005 to 31st December 2009

- 4) Article 2 paragraph 1 of the Regulation of the Government of the Slovak Republic number 92/1996 Collection of Laws, by which the Act number 309/1991 Collection of Laws on protection of atmosphere against pollutants (Act on the Atmosphere) is executed in wording of later regulations.
- 5) Regulation of the Government of the Slovak Republic number 92/1996 Collection of Laws

Article 4

- 1) The operator of the selected source will inform the public about the pollution of atmosphere from the source of pollution of the atmosphere and about measures executed for limitation of this pollution 3) by publishing information, the contents of which are data according to Article 3 paragraph 1e.
- 2) Publishing of information according to previous paragraph will be performed by the operator of the selected source after an agreement with the appropriate local authority of environment 6) in a way customary in the given place.
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- 3) Article 7 paragraph 1k of the Act number 309/1991 Collection of Laws in wording of the Act of the National Council of the Slovak Republic number 148/1994 Collection of Laws
- 6) Article 5 paragraph 4 Act of the Slovak National Council number 134/1992 Collection of Laws on state administration of protection of atmosphere.

Article 5

This Regulation came into force on 15th July 1996.

Jozef Zlocha sign manual

ANNEX 1

SELECTED BIG AND MEDIUM SIZE SOURCES OF POLLUTION OF THE ATMOSPHERE

1. INDUSTRY OF FUELS AND ENERGY

1.1 Big sources of pollution of the atmosphere

- 1.1.1 Technological units containing stationary equipment for fuel firing of total thermal output 50 MW and bigger.
- 1.1.3 Production of coke
- 1.1.5 Gas turbines with volume of flue gases 60 000 m³.h⁻¹ and bigger.
- 1.1.6 Equipment for process firing with total thermal output 50 MW and bigger

2. PRODUCTION AND PROCESSING OF METALS

2.1 Big sources of pollution of the atmosphere

- 2.1.1 Treatment of iron and manganese ore in ore handling above 1 000 t.r-1
- 2.1.2 Production of raw iron, blast furnaces.
- 2.1.3 Production of steel (e.g. converters, open-hearth furnaces, double-hearth tandem furnaces, electric furnaces, März-Böhler furnaces)
- 2.1.4 Production of cast iron - total capacity above 500 t.r-1.

- 2.1.5 Treatment of ore of non-ferrous metals
- 2.1.6 Production of light metals and their alloys (e.g. magnesium, aluminium, beryllium).
- 2.1.7 Processing of non-ferrous metals and their alloys inclusive ferro- alloys
- 2.2 Medium-size sources of pollution of the atmosphere
 - 2.2.1 Metallurgical wood production (rolling mills, wire-mills and forging shops of the capacity of processing of heavy metals above 1 t.h-1 or of the capacity of processing of light metals above 0,5 t.h-1.
 - 2.2.2 Other special metallurgical productions of the capacity of processing of heavy metals above 1 t.h-1 or of the capacity of processing of light metals above 0,5 t.h-1.
 - 2.2.3 Production of metals with low melting temperature and their alloys (zinc, cadmium, tin, antimony, lead, mercury, bismuth).
 - 2.2.4 Production of metals with medium melting temperature and their alloys (manganese, copper, cobalt, nickel).
 - 2.2.5 Production of metals with high melting temperature and their alloys (titanium, vanadium, chrome, molybdenum, tungsten).
 - 2.2.6 Production of noble metals and their alloys (silver, gold, osmium, platinum, palladium, iridium).
 - 2.2.7 Production and processing of other non-ferrous metals and their alloys (silicon, selenium, germanium, sodium, calcium, potassium, rubidium, caesium, barium).
 - 2.2.8 Pickling and electroplating (surface treatment, phosphating, enamelling) with the capacity above 5 000 m².r-1.

3. PRODUCTION OF NON-METALIC MINERAL PRODUCTS

- 3.1 Big sources of pollution of the environment
 - 3.1.1 Asbestos and asbestos products.
 - 3.1.2 Production of cement.
 - 3.1.3 Lime production.
 - 3.1.5 Production of glass and glass products, glass fibres and other mineral fibres with the capacity above 5 000 t.r-1.
 - 3.1.6 Production of magnesite and base refractory materials.
- 3.2 Medium size sources of pollution of the environment
 - 3.2.3 Processing of silicate raw materials.
 - 3.2.5 Production of unburned masonry materials and precast units
 - 3.2.6 Production of bricks
 - 3.2.7 Production of refractory products (fireclay factories).
 - 3.2.9 Production of ceramics and porcelain with the capacity of production 100 t.r-1.

4. CHEMICAL INDUSTRY

- 4.1. Big sources of pollution of the atmosphere.
 - 4.1.1. Production of fuels, lubricants and other products from crude oil.
 - 4.1.2. Production of aliphatic and aromatic hydrocarbons (petrochemical treatment of crude oil).
 - 4.1.3. Production of by-products from thermal treatment of crude oil.
 - 4.1.4. Production of synthetic alcohol, ketones and organic acids.
 - 4.1.5. Production of dyeing semi-products and organic dyes.
 - 4.1.6. Production of explosives (industrial).
 - 4.1.7. Production of pharmaceutical raw materials and medicaments.
 - 4.1.8. Production of organic and hallogenated compounds.
 - 4.1.9. Production and treatment of polymers.

- 4.1.10. Production of pulp and its derivatives.
- 4.1.11. Production and treatment of viscose.
- 4.1.12. Production and treatment of painting substances.
- 4.1.13. Production of pesticides and herbicides.
- 4.1.14. Production of auxiliary jigs in rubber industry.
- 4.1.15. Production and treatment of chlorine.
- 4.1.16. Production of hydrochloric acid.
- 4.1.17. Production of sulphur (Claus' process).
- 4.1.18. Production and treatment of sulphuric acid.
- 4.1.19. Production of ammonia and urea.
- 4.1.20. Production of nitric acid and its salts.
- 4.1.21. Production of phosphoric acid and its salts.
- 4.1.22. Production of inorganic pigments.
- 4.1.23. Production of industrial fertilisers.
- 4.1.24. Production of hydrogen cyanides, cyanides and rhodanides.
- 4.1.25. Production of soda and ammonium chloride.
- 4.1.26. Production of calcium carbide and other chemical productions.
- 4.1.27. Distribution warehouses and repumping equipment of fuels, lubricants, petrochemical products and other organic liquids with installed total volume of storing 1 000 m³ and bigger or with volume per year 10 000 m³ and bigger.

4.2. Medium size sources of pollution of the atmosphere

- 4.2.1. Production and treatment of rubber.
- 4.2.2. Production of soaps, detergents and cosmetics.
- 4.2.3. Production of edible fat and oils.
- 4.2.4. Production of gley and glues.
- 4.2.6. Production and processing of paper.
- 4.2.7. Production of insulation materials for roofs and floors.
- 4.2.8. Distribution warehouses and repumping equipment of fuels, lubricants, petrochemical products and other organic liquids with installed total volume of storing up to 1 000 m³ or with volume per year up to 10 000 m³.

4. WASTE TREATMENT

- 4.1. Big sources of pollution of the atmosphere
- 4.1.1. Equipment for burning of communal waste with the capacity above 1 t.h⁻¹ of burnt waste.
- 4.1.2. Equipment for burning of special or hazardous waste with the capacity above 0,1 t.h⁻¹ of burnt waste.

5. OTHER INDUSTRY AND EQUIPMENT

- 6.2. Medium size sources of pollution of the atmosphere
- 6.2.1. Processing of wood with design capacity for a day 20 m³ and higher 6.2.2. Production of felt (capacity of production above 10 000 t.r⁻¹).
- 6.2.3. Tanneries (capacity of production above 10 000 t.r⁻¹).
- 6.2.5. Paint shops with design capacity 1 t and higher of paint substances for a year.
- 6.2.6. Operations of chemical cleaning of textiles and garment products.
- 6.2.7. Degreasing of metal parts.

Numbering of the selected big and medium size sources of polluting of environment corresponds to categorisation of the existing sources of pollution according to attachment number 2 of the Regulation of the Slovak Republic number 92/1996 Collection of Laws.

ANNEX 2
SCHEME
OF THE PROGRAMME OF DECREASING OF EMISSIONS FROM THE SOURCE OF POLLUTING OF
THE ATMOSPHERE

4. BASIC DATA

- 4.1. Name and seat of the company.
- 4.2. Categorisation of the source and source location.
- 4.3. Year of starting up of production, installed and real production capacity (in energy equipment nominal and real output of generated heat or electrical energy).

5. TECHNICAL - TECHNOLOGICAL DATA

- 5.1. Composition of the source - brief description of individual stages according to flow chart (from input of raw materials up to the final product).
- 5.2. Description of technological stages from the point of view of creation of emissions.
- 5.3. Comparison of existing technology with the requirements of the valid legal ruling of the protection of the atmosphere in relation towards
 - a) emission limits (evaluation of own procedures and separating technologies),
 - b) general conditions of operating of sources of pollution of the atmosphere (storing, materials handling etc.)

3. DISPERSION CONDITIONS OF EMISSIONS BEFORE IMPLEMENTATION OF THE PROGRAMME AND THEREAFTER

Assessment of dispersion of emissions on basis of judgement of the height of the stack (blow out) according to basic calculation. 1)

4. PROCEDURE OF STEPS BY WHICH THE OPERATION OF THE EXISTING SOURCE OF POLLUTION OF THE ATMOSPHERE WILL PUT IN COMPLIANCE WITH THE REQUIREMENTS ENACTED BY THE SPECIAL REGULATION 2)

- 4.1. Proposals of technical solutions according to individual

technological stages according to item 2.2.

- 4.2. Economic assessment of proposed solutions.
- 4.3. Assumed temporal schedule of proposed measures and their influence on the amount and composition of emissions in individual years.

5. MEASURES RESULTING FROM THE PROCEDURE ACCORDING TO ITEM 4 AND THEIR INFLUENCE ON THE QUALITY OF THE ATMOSPHERE IN THE YEAR, IN WHICH THE OPERATION OF THE SOURCE OF POLLUTION OF THE ATMOSPHERE WILL BE PUT IN COMPLIANCE WITH THE REQUIREMENTS ENACTED BY A SPECIAL REGULATION 2)

- 1) Methodology of the Ministry of Environment of the Slovak Republic issued in the Journal of the Ministry of Environment of the Slovak Republic.
- 2) Decree of the government of the Slovak Republic number 92/1996 Collection of Laws.