

THE GOVERNMENT OF THE REPUBLIC OF CROATIA

Pursuant to Article 82 paragraph 4 of the Environmental Protection Act (Official Gazette 110/07), the Government of the Republic of Croatia, at its session on 30 September 2008 adopted the following

REGULATION ON THE PROCEDURE FOR DETERMINING INTEGRATED ENVIRONMENTAL PROTECTION REQUIREMENTS

I GENERAL PROVISIONS

Article 1

(1) This Regulation stipulates activities which may cause pollutant emissions to the soil, air, water and sea and a non-comprehensive list of the related main indicative substances; it stipulates the method of submitting the request for determining and the manner of determining integrated environmental protection requirements for new installations in which activities which may cause pollutant emissions to the soil, air, water and sea are performed, the mandatory content of the technical and technological solution for installations, the mandatory content of the decision determining integrated environmental protection requirements for new installations, the method and obligation of performing trial operation of installations in relation to determined measures and integrated environmental protection requirements, the method of submitting data on monitoring emissions into the soil, air, water, sea and other environmental components, the conditions in which installations must obtain new integrated environmental protection requirements and the decision on amendments to the determined integrated environmental protection requirements, the actions to be undertaken by competent bodies in the event that emissions from installations might have a transboundary effect on human health and the environment of other states, other measures and requirements in accordance with internationally accepted standards and regulations, and the determining of costs and the manner of covering the costs in the procedures for determining integrated environmental protection requirements.

(2) This Regulation stipulates the method of submitting the request and the conditions for obtaining the decision on integrated environmental protection requirements for existing installations, the mandatory content of the analysis of the status in an existing installation and the mandatory content of the study on the method of alignment with the provisions of the Act, the mandatory content of the opinion of the Ministry on the analysis and the study of the company and the manner in which it is issued, the manner of issuing the decision on integrated

environmental protection requirements for existing installations, and the deadlines for fulfilment and application of the requirements determined in the decision.

Article 2

For the purposes of this Regulation, the following definitions apply:

1. substance is a chemical element and its compounds, with the exception of radioactive substances within the meaning of special regulations which regulate protection against radioactive substances, and of genetically modified organisms within the meaning of special regulations which regulate protection against genetically modified organisms;
2. significant change in operation is a change in operation of the installation that, according to the opinion of competent bodies, may have a significant adverse impact on the environment;
3. best (from the term best available techniques – BATs from the Act) means that which is most effective in the implementation of a high level of overall protection of the environment as a whole;
4. available (from the term best available techniques – BATs from the Act) specifies techniques developed on a scale which allows implementation in the relevant industrial sector under economically and technically viable conditions, taking into consideration the costs, benefits and advantages, and which are accessible to the operator;
5. techniques (from the term best available techniques – BATs from the Act) means technologies with the associated equipment used in an installation, the manner in which the installation is designed and constructed, the manner in which the installation is used and maintained, the manner in which the installation is decommissioned and removed;
6. applicant is the company which performs or will in the future perform in the installation any of the activities listed in Annex I to this Regulation. The operator submits the request on behalf of the company;
7. competent public authorities are the Ministry, state administration bodies, bodies of local and regional self-government units and legal persons vested with public authorities, which are competent for making decisions in the area of protection of individual environmental components and protection against specific burdening;
8. The Act is the Environmental Protection Act.

Scope of the Regulation Article 3

(1) This Regulation applies to installations in which activities which may cause pollutant emissions to the soil, air, water and sea are performed or will be performed after the construction, reconstruction or putting into regular operation of the installation.

(2) By way of derogation from paragraph 1 of this Article, this Regulation does not apply to installations in which the activities within the meaning of paragraph 1 of this Article are and will be performed when those installations and their parts are used for research, development and testing of new products and procedures.

II ACTIVITIES AND MAIN INDICATIVE SUBSTANCES WHICH MAY CAUSE POLLUTANT EMISSIONS TO THE SOIL, AIR, WATER AND SEA

Activities Article 4

Activities which, for the purposes of this Regulation, may cause pollutant emissions to the soil, air, water and sea are laid down in Annex I to this Regulation.

List of main indicative substances Article 5

The list of main indicative substances which are relevant for the establishment of the emission limit values in the procedure of integrated environmental protection requirements (according to order of importance in relation to other pollutants), is established in Annex II to this Regulation.

III PROCEDURE FOR DETERMINING INTEGRATED ENVIRONMENTAL PROTECTION REQUIREMENTS

1. PROCEDURE FOR DETERMINING INTEGRATED ENVIRONMENTAL PROTECTION REQUIREMENTS FOR NEW INSTALLATIONS AND IN CASE OF RECONSTRUCTION OF EXISTING INSTALLATIONS

Request for determining integrated environmental protection requirements Article 6

(1) The request for determining integrated environmental protection requirements (hereinafter: request) shall be submitted in written form, on an electronic medium for data storage (CD, DVD and the like).

(2) In addition to the content stipulated by the Act, the request shall contain the following:

1. data on the company: name and seat of the company, company registration number, name of the responsible person, telephone number and e-mail address. The data contained under this item

shall be evidenced by an excerpt from the court register for legal persons, an excerpt from the trades&crafts register for natural persons – craftsmen, or an excerpt from the agricultural register for natural persons – farmers;

2. data on the location and the project for a new installation or in case of reconstruction of an existing installation:

- for the location – the name of the local and regional self-government unit where the project is located, including data on the cadastral municipality,
- for the project – the exact title of the project with regard to the activities laid down in Annex I to this Regulation and a list of the main indicative substances which will be present in the installation, according to Annex II to this Regulation;

3. for a new installation or in case of reconstruction of an existing installation – data on the authorised person who developed the technical and technological solution for the installation; for reconstruction of an installation which is carried out for the purpose of alignment with the provisions of the Act and this Regulation – data on the authorised person who has drawn up the study on the method of alignment with the provisions of the Act. Data on authorised persons from this item must be evidenced by a copy of the approval obtained by the authorised person from the Ministry;

4. administrative fee in the prescribed amount.

(3) The content of the request is defined in more detail in the OZ-IPPC Form in Annex III to this Regulation. In addition to the data and evidence referred to in paragraph 2 of this Article, the request must also contain all the data and evidence pursuant to the Form in Annex III to this Regulation.

(4) When submitting the request, the applicant may also request protection of data related to certain parts of the request. In that case the applicant shall, in the request, explicitly state and mark the parts containing the data he/she requires to remain confidential. The request for data confidentiality must be substantiated by reasons and evidence, in line with special regulations governing protection of business secrets and data protection for reasons of national security.

(5) The request for data confidentiality referred to in paragraph 4 of this Article shall be decided upon by the Ministry, by a special conclusion. If the conclusion of the Ministry approves or partially approves the request for data confidentiality, only the bodies participating in the procedure for determining integrated environmental protection requirements shall have access to those data, in line with the issued conclusion. The cover of the file in question shall contain a remark on data confidentiality, indicating which part of the data is subject to confidentiality.

Mandatory content of the technical and technological solution for installations

Article 7

The technical and technological solution for installations, which must be enclosed to the request for determining integrated environmental protection requirements in line with the provisions of the Act, shall contain the following:

1. general technical, production and operational properties of the installation,
 2. plan with an illustration of the project location including the scope of the entire installation (situation),
 3. description of the installation,
 4. block diagram of the installation according to separate technological parts,
 5. flow process diagrams,
 6. process documentation of the installation,
 7. any other documentation necessary to explain all the properties and conditions for performing the activity which is performed in the installation.
- (2) The criteria for determining best available techniques are prescribed in Annex IV to this Regulation.

Procedure following the request
Article 8

- (1) Having determined that the request contains the data in line with this Regulation and that the technical and technological solution for the installation is enclosed, the Ministry shall inform the public and public concerned of the request.
- (2) If the Ministry establishes that the request does not contain all the data and evidence in line with the provisions of this Regulation or if the technical and technological solution for the installation does not contain all the sections pursuant to this Regulation, it shall, in accordance with the law, call upon the applicant to eliminate the shortcomings in the request within an adequate deadline, which may not be longer than three months.
- (3) The public and public concerned shall be informed of the request in line with the Act and the regulation governing the provision of information to and participation of the public and public concerned in environmental protection issues.

Article 9

- (1) During the procedure for the establishment of integrated environmental protection requirements, the Ministry shall, in line of duty and by written request, obtain requirements for an installation in line with special regulations for individual environmental components and burdens, as well as other special requirements from the bodies and/or persons competent pursuant to special regulations in conformity with the provisions of this Regulation and the act which regulates general administrative procedure. If it is assessed as necessary in order to achieve a

economic procedure for the installation, the Ministry may also obtain these requirements from the bodies and/or persons competent pursuant to special regulations through a conference – oral statement made by representatives of bodies and/or persons.

(2) After the applicant has supplemented the request within the meaning of the provision of Article 8 paragraph 2 of this Regulation, the Ministry shall submit the request for an opinion to the bodies and/or persons designated by special regulations, whereupon it shall also request that special requirements be determined according to special regulations. When it assesses it necessary for the purpose of achieving economic procedure for a less complex installation, the Ministry may, in order to obtain special requirements, request from the bodies and/or persons to establish the requirements according to special regulations by inspection of the request at a conference of their representatives which shall be convened by the Ministry.

(3) The bodies and/or persons designated by special regulations may require that the request or the technical and technological solution for the installation be supplemented pursuant to the requirements of special regulations for individual environmental components and/or burdens.

(4) When the Ministry is competent for the application of regulations on protection of individual environmental components and/or on burdening and for determining other requirements for the same installation, it shall – by applying the principle of economical procedure – determine the requirements according to those special regulations and carry out the procedure in the course of determining integrated environmental protection requirements.

(5) In the case referred to in paragraph 3 of this Article the Ministry shall, following the request of the body and/or person designated by special regulations, in accordance with the act governing general administrative procedure issue a conclusion requesting that the applicant supplement the request according to the request of the body and/or person within a deadline which may not be longer than three months.

(6) If the body and/or person designated by special regulations do not act in line with the Ministry's request, within the meaning of paragraph 2 of this Article, within 30 days, it shall be considered that the special requirements have been issued.

Conclusion on integration of the procedure for determining integrated environmental protection requirements with the procedure for environmental impact assessment

Article 10

(1) Having obtained the opinions and requirements referred to in Article 9 of this Regulation, the Ministry shall issue a conclusion on integration of the procedure for determining integrated environmental protection requirements with the environmental impact assessment procedure, which is performed at the Ministry on the basis of a separate request by the applicant for the same installation – project.

(2) After integration of the procedures in line with paragraph 1 of this Article, individual actions in the integrated procedure shall be carried out in a coordinated manner as regards the needs of

the environmental impact assessment procedure and the needs of the procedure for determining integrated environmental protection requirements.

(3) Provisions of the regulation governing environmental impact assessment shall apply to the integrated procedure.

(4) The public and public concerned shall be informed of the conclusion referred to in paragraph 1 of this Article in line with the provisions of the Act and the regulation governing the provision of information to and participation of the public and public concerned in environmental protection issues.

Participation of the advisory expert committee Article 11

(1) If the Ministry assesses it necessary, the advisory expert committee (hereinafter: Committee), set up on the basis of the provisions of the Act and the regulation stipulating environmental impact assessment, shall participate in the procedure for determining integrated environmental protection requirements, appropriately applying the provisions on the work of the Committee laid down in the regulation governing environmental impact assessment.

(2) In the procedure for determining integrated environmental protection requirements, the Committee shall not discuss or give opinions on the obtained requirements pursuant to special regulations of the bodies and/or persons competent pursuant to special regulations.

(3) In the procedure for determining integrated environmental protection requirements, the Committee shall give opinions on harmonisation of the request with the technical and technological solution for the installation and with non-technical requirements. Having established that the request is harmonised with the technical and technological solution for the installation, the Committee shall propose that the Ministry make a decision on their referral for public debate.

(4) When the Committee participates with the purpose of determining integrated environmental protection requirements, and the decision on public debate has already been made in the procedure of environmental impact assessment, or the environmental impact assessment procedure is not carried out on the basis of a separate request – when the Ministry assesses that it is necessary – the Committee may consist only of representatives of bodies and persons designated by special regulations, experts for individual areas and representatives of the Ministry.

Applicant, authorised person and designer Article 12

The provisions of the regulation governing environmental impact assessment apply accordingly to the applicant (developer), authorised person and designer.

Procedure in the event of potential transboundary effect of the installation on the environment of another state
Article 13

In the event of potential transboundary effect of the installation on the environment of another state, the request shall be submitted to the competent body of that state and a corresponding deadline for objections shall be provided for, taking into account the need to inform the public of that state.

Participation of the public and public concerned in the procedure for determining integrated environmental protection requirements
Article 14

The public and public concerned shall participate in the procedure for determining integrated environmental protection requirements through a public debate related to the request and the technical and technological solution for the installation, in line with the provisions of the Act and the regulation governing environmental impact assessment.

Decision on integrated environmental protection requirements
Article 15

(1) The decision on integrated environmental protection requirements shall be passed after the Ministry has considered the following:

- the assessment of the project's environmental impact pursuant to the regulation governing environmental impact assessment,
- the opinion of the Committee issued as part of the procedure for determining integrated environmental protection requirements in line with the provisions of this Regulation and by application of the provisions of the regulation governing environmental impact assessment,
- opinions and requirements of the bodies and/or persons competent pursuant to special regulations,
- opinions, objections and suggestions of the public and public concerned submitted in the course of public debate and results of any transboundary consultations if they were mandatory pursuant to the Act.

(2) The Ministry shall inform the public and public concerned, and also another state if it participated in the procedure, of the decision referred to in paragraph 1 of this Article, in line with the Act and the regulation which stipulates informing and participation of the public and public concerned in environmental protection issues.

Mandatory content of the decision on integrated environmental protection requirements
Article 16

(1) In addition to the mandatory content laid down in the regulation governing environmental impact assessment, whose disposition is stated under item I in the disposition of the decision, the decision on integrated environmental protection requirements shall, under item II, contain the following:

1. a provision stating that the integrated environmental protection requirements are explicitly determined in the form of a book enclosed to the written decision, representing an integral part of the disposition of the decision;
2. a provision on data confidentiality stating which data from the decision, including the disposition (the enclosed book included) and the statement of reasons of the decision, are subject to regulations on data confidentiality, with an instruction on possible penal measures in case of violation of the established data confidentiality;
3. a provision stating that the technical and technological solution of the installation, for which integrated environmental protection requirements on the basis of this decision have been determined, constitutes an integral part of the decision and that it is enclosed to the decision within the book referred to in subitem 1 of the disposition of the decision;
4. validity period of the decision on integrated environmental protection requirements, if the integrated environmental protection requirements are determined for an existing installation;
5. provision stating that the decision will be entered into the Register of decisions on integrated environmental protection requirements for an existing installation, if the integrated environmental protection requirements are determined for an existing installation.

(2) In the disposition of the decision referred to in paragraph 1 of this Article, which is contained in the book referred to in item II.1 of the disposition of the decision, in addition to what is defined in paragraph 2 of this Article, the following shall also be determined:

1. ENVIRONMENTAL REQUIREMENTS

- List of activities in the installation under the obligations referred to in the decision
- Processes
- Techniques of pollution control and prevention
- Management of waste from the installation
- Energy use and energy efficiency
- Prevention of accidents
- Monitoring system
- Method of removing the installation and restoring the location to a satisfactory status

2. EMISSION LIMIT VALUES

- Emissions into the air
- Emissions into waters and the sea
- Emissions into outlets and water purification systems
- Emissions into the soil
- Emissions of noise

3. CONDITIONS OUTSIDE THE INSTALLATION (if required, e.g. nature protection)

4. IMPROVEMENT PROGRAMME

5. OCCUPATIONAL HEALTH AND SAFETY CONDITIONS

6. OBLIGATION TO KEEP DATA AND MAINTAIN THE IT SYSTEM

7. OBLIGATION TO INFORM THE PUBLIC AND COMPETENT BODIES PURSUANT TO THE ACT

8. OBLIGATIONS WITH REGARD TO ECONOMIC INSTRUMENTS OF ENVIRONMENTAL PROTECTION.

(3) The statement of reasons of the decision on integrated environmental protection requirements shall contain the reasons and regulations on the basis of which individual protection measures are introduced and the monitoring method is determined.

Verification of fulfilment of integrated environmental protection requirements and trial operation
of the installation
Article 17

(1) Fulfilment of integrated environmental protection requirements according to the decision referred to in Article 16 of this Regulation shall, *inter alia*, be established by a use permit which is issued after the conducted technical examination pursuant to the act regulating construction.

(2) In the procedure of issuing a use permit, for the purposes of verification of fulfilment of integrated environmental protection requirements, it shall be established whether the installation meets all the prescribed requirements for operation and/or for performing the activity according to the decision referred to in Article 16 of this Regulation.

(3) For the purposes referred to in paragraph 2 of this Article, the installation shall be ordered a trial period of operation during which all the parameters in line with the environmental protection measures determined by the decision on integrated environmental protection requirements must be fulfilled.

(4) The trial operation of the installation shall be carried out according to the measures and integrated requirements determined by the decision on integrated environmental protection requirements, being an integral part of the main design for the installation, and according to the method of verifying data of significance for the audit of environmental protection requirements as established by the auditor in the opinion given in the procedure for project verification.

Content of the disposition of the use permit regarding integrated environmental protection
requirements

Article 18

(1) The disposition of the use permit, apart from that which has been established by a special act, shall contain the following in relation to integrated environmental protection requirements:

1. that the trial operation of the installation carried out in the period from – to has proved that the installation fulfils all the parameters pursuant to the environmental protection measures determined by the decision on integrated environmental protection requirements (class and reference number of the decision, the place of its issuance and the person that issued it is stated); it shall also be established that the installation meets the integrated environmental protection requirements in line with the decision;

2. that, taking into account what is determined under item 1, the installation meets the prescribed environmental protection requirements for the operation and performing of activities, and that it is granted an operation permit;

3. that the integrated environmental protection requirements as determined in items 1 and 2 of the disposition shall apply for a period of five years from the day of the use permit issuance;

4. that the use permit shall be entered into the Register of use permits determining integrated environmental protection requirements and decisions on integrated environmental protection requirements for existing installations, maintained by the Croatian Environment Agency.

(2) The Ministry shall inform the public and public concerned of the use permit regarding integrated environmental protection requirements for the installation, in line with the Act and the regulation which stipulates informing and participation of the public and public concerned in environmental protection issues.

2. PROCEDURE FOR DETERMINING INTEGRATED ENVIRONMENTAL PROTECTION REQUIREMENTS FOR EXISTING INSTALLATIONS

Procedure prior to submitting the request for an existing installation

Article 19

(1) With the purpose of harmonising an existing installation with the provisions of the Act and this Regulation, the operator shall, in line with the Act, prior to obtaining the decision on integrated environmental protection requirements, draw up the Analysis of the status of the existing installation (hereinafter: Analysis) and the Study on the manner of harmonisation of the existing installation (hereinafter: Study).

(2) By way of derogation from paragraph 1 of this Article, when the operator establishes in the Analysis that the installation is harmonised with the Act and this Regulation, he/she shall, in the process of obtaining an opinion in line with the Act, submit to the Ministry the Analysis and a proposal that the Study not be drawn up, but that an opinion on further procedure be issued on the basis of the Analysis.

Mandatory content of the Analysis and the Study
Article 20

(1) The mandatory content of the Analysis and the Study is determined in detail in Annex V to this Regulation.

(2) Individual chapters of the Study referred to in paragraph 1 of this Article shall be drawn up by experts having the minimum level of university education and the university degree pursuant to the regulation stipulating levels of appropriate professional education for the field elaborated in that chapter (e.g. for the field of investments – an economic expert, for the technology field – an appropriate technological profile expert depending on the type of activity, for the field of siting – expert in physical planning, for the water management field – an expert in hydro-technology).

(3) The Analysis and the Study must be drawn up on the basis of the most recent, authentic and available data, they must be based on the actual facts found in the installation at the time when their drawing up started, and they must be based on expertise and meet all the requirements concerning the prescribed content, for which the operator or the authorised person is responsible.

Request for evaluation and opinion on the Analysis and the Study
Article 21

(1) The request for evaluation and opinion regarding the Analysis and the Study shall be submitted in written form, on an electromagnetic medium, including the Analysis and the Study as parts of the request's content.

(2) The request for evaluation and opinion referred to in paragraph 1 of this Article shall contain the following:

1. data on the company: name and registered office of the company, registration number, name of the responsible person, telephone number and e-mail address – if the company has one. The data contained under this item shall be evidenced by an excerpt from the court register for legal persons, an excerpt from the crafts register for natural persons – craftsmen, or an excerpt from the farmers' register for natural persons – farmers;

2. data on the location of the existing installation:

- for the location – name of the local and regional self-government unit where the existing installation is located, including data on the cadastral municipality,
- exact name of the installation with regard to the activities laid down in Annex I to this Regulation and a list of the main indicative substances which are present in the installation, pursuant to Annex II to this Regulation;

3. the Analysis and the Study;

4. data on the authorised person who has drawn up the Study, which shall be evidenced by a copy of the approval obtained by the authorised person from the Ministry;

5. enclosed building and use permit for the installation as well as all their potential amendments;
6. summary of the Request according to all prescribed items of the mandatory content in textual and graphic form, prepared in such a manner so that its content are understandable to the public;
7. administrative fee in the prescribed amount.

(2) By way of derogation from paragraph 1 of this Article, when the operator establishes in the Analysis that the installation is harmonised with the Act and this Regulation, he/she shall, along with the request for evaluation and opinion in line with the Act, submit to the Ministry the Analysis and a proposal that the Study not be drawn up, but that an opinion on further procedure be issued on the basis of the Analysis.

Procedure following the request for evaluation and opinion on the Analysis and the Study Article 22

(1) If it is established that the request for evaluation and opinion regarding the Analysis and the Study does not contain all the data and evidence in line with the provisions of this Regulation, the Ministry shall, in line with the act governing general administrative procedure, call upon the applicant to eliminate the shortcomings in the request within an adequate deadline, which may not be longer than three months.

(2) Having established that the request referred to in paragraph 1 of this Article contains the data in line with this Regulation, the Ministry shall submit the request for evaluation and opinion to Commission referred to in Article 11 paragraph 1 of this Regulation.

Opinion on the Analysis and the Study Article 23

(1) After proceeding in line with the provision of Article 22 of this Regulation, the Ministry shall give an opinion which shall contain:

1. evaluation of the Analysis and the Study,
2. established deviations from the best available techniques (BAT), if there are any,
3. list of all measures (investment and non-investment) that the operator must take on the basis of the results of the sections listed under 2.1 to 2.2 in Annex IV to this Regulation, with the pace of their execution,
4. statement on the inclusion of the determined measures and obligations into the request for determining integrated environmental protection requirements,
5. evaluation of the necessity to carry out the environmental impact assessment procedure, or evaluation on the need for an assessment,

6. if necessary, other requirements and obligations related to the installation, operator and/or company,

7. guidelines for further procedure.

Procedure after obtaining the opinion on the Analysis and the Study
Article 24

(1) Procedure for determining integrated environmental protection requirements for existing installations shall be carried out as an integrated procedure in line with this Regulation when the opinion of the Ministry referred to in Article 23 of this Regulation envisages that the procedure for harmonisation of the installation with the Act and with this Regulation should be carried out in the manner that the procedure for determining integrated environmental protection requirements also comprises the environmental impact assessment.

(2) The provisions of this Regulation stipulating the procedure of determining integrated environmental protection requirements for new installations and for reconstruction of existing installations shall apply accordingly to the procedure of determining integrated environmental protection requirements for existing installations, pursuant to guidelines for further procedure provided for in the opinion referred to in Article 23 of this Regulation, after the opinion on the Analysis and the Study or on the Analysis including the applicant's request has been obtained.

(3) In the procedure referred to in paragraph 1 of this Article, the Ministry shall ensure informing and participation of the public and public concerned in line with the Act and the regulation which stipulates informing and participation of the public and public concerned in environmental protection issues.

Content of the decision on integrated environmental protection requirements for existing installations
Article 25

(1) The content of the decision stipulated by this Regulation for new installations, in the part where such content may be objectively determined for existing installations, shall apply accordingly to the decision on integrated environmental protection requirements for existing installations.

(2) In addition to the content determined in line with paragraph 1 of this Article, the decision on integrated environmental protection requirements for existing installations shall contain final deadlines or periods in which individual phases of the procedure aimed at fulfilling the set measures and parameters and introducing BAT must be carried out, if this is determined to be necessary in the procedure for that installation.

(3) The deadlines referred to in paragraph 2 of this Article shall be set depending on the complexity of the required project and the estimated amount of investment necessary for the

installation. The longest deadline may be up to the year 2017 from the day of the issuance of the decision on integrated environmental protection requirements for the existing installation.

IV METHOD OF SUBMITTING DATA ON MONITORING EMISSIONS AND CONDITIONS IN WHICH INSTALLATIONS MUST OBTAIN NEW OR ADOPT THE DETERMINED INTEGRATED ENVIRONMENTAL PROTECTION REQUIREMENTS

Method of submitting data on monitoring emissions Article 26

Operators shall submit the data on monitoring emissions from the installation into the soil, air, water and sea and other environmental components, along with the data on burdening (waste) to the Croatian Environment Agency in the manner prescribed by the Act and the regulation stipulating the Environmental Pollution Register.

Conditions under which installations must obtain new or amend the determined integrated environmental protection requirements Article 27

(1) An installation must obtain new integrated environmental protection requirements when the operator, by monitoring emissions from the installation, establishes that the emissions have significant impact on the environment or threaten the health of people, and when the operator introduces new technologies and/or techniques in the installation, changes its activity or adapts the installation to perform an activity which is not comprised by the issued decision on integrated environmental protection requirements.

(2) An installation must obtain amended integrated environmental protection requirements when the operator, by monitoring emissions from the installation, establishes that the emissions exceed the limit values determined in the decision on integrated environmental protection requirements and when the operator, on a smaller scale, introduces new technologies and/or techniques in the installation for the purpose of regular maintenance of the plant or installation.

(3) The evaluation of the nature of change taking place in the installation shall be made by the Ministry on the basis of a notification which the operator is obliged to submit in line with the Act or on the basis of notifications and opinions which will be submitted to it or which it will obtain from bodies and/or persons prescribed by special regulations in the manner prescribed by this Regulation.

(4) When the operator, on the basis of the provisions of the Act, notifies the Ministry of a significant change in the installation, the Ministry may request from other competent bodies to state whether it is necessary to amend the determined integrated environmental protection requirements.

(5) The Ministry shall proceed as set out in paragraph 4 of this Article also in the case when it, in line with the Act, reviews the necessity to amend the integrated environmental protection

requirements after the expiry of a five year period from the issuance of the original decision on integrated environmental protection requirements.

(6) The operator shall submit the request for prolonging the validity of determined integrated environmental protection requirements to the Ministry at least six months prior to the expiry of the validity of integrated environmental protection requirements, or prior to the expiry, or within the same period prior to the expiry of the use permit in the part related to integrated environmental protection requirements.

(7) When the operator fails to submit the request referred to in paragraph 6 of this Article within the prescribed period he shall, without delay, obtain the new decision on integrated environmental protection requirements for the installation within the prescribed period.

V COSTS OF THE PROCEDURE

Manner of determining and covering costs of the procedure

Article 28

(1) Costs of the procedure for determining integrated environmental protection requirements shall be determined approximately in the course of the procedure in a special conclusion in the case file and they shall be paid according to that conclusion.

(2) Final calculation of the costs of the procedure shall be carried out prior to the commencement of the drawing up of the draft decision on integrated environmental protection requirements, and it shall be determined in a conclusion.

(3) Costs of the procedure for determining integrated environmental protection requirements in the procedure for issuing a use permit shall be determined in line with the Act governing construction.

VI TRANSITIONAL AND FINAL PROVISIONS

Integral parts of this Regulation

Article 29

Annexes I, II, III, and IV constitute integral parts of this Regulation.

Initiated procedures

Article 30

(1) If an environmental impact assessment procedure for an installation was initiated prior to the entry into force of this Regulation, that procedure shall be carried out as an independent procedure pursuant to the Act and the regulation governing environmental impact assessment. On

the basis of the provisions of this Regulation, such an installation shall be deemed to be an existing installation.

(2) The operator of the existing installation within the meaning of the provision of paragraph 1 of this Article shall, within three months from obtaining a use permit, submit a request for determining integrated environmental protection requirements pursuant to the Act and this Regulation.

Article 31

This Regulation shall enter into force on the eighth day after the day of its publication in the Official Gazette, and shall enter into force on 31 March 2009.

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Prime Minister
Ivo Sanader, m.p.

PROVISIONAL TRANSLATION

ANNEX I

LIST OF ACTIVITIES WHICH MAY CAUSE POLLUTANT EMISSIONS TO THE SOIL, AIR, WATER AND SEA

Activities which may cause pollutant emissions to the soil, air, water and sea within the meaning of this Regulation are:

1. Energy

1.1. Combustion installations with a nominal thermal input exceeding 50 MW.

1.2. Mineral oil and gas refineries

1.3. Coke ovens

1.4. Coal gasification and liquefaction plants.

2. Production and processing of metals

2.1. Metal ore (including sulphide ore) roasting or sintering installations.

2.2. Installations for the production of pig iron or steel (primary or secondary fusion) including continuous casting, with a capacity exceeding 2,5 tonnes per hour.

2.3. Installations for the processing of ferrous metals:

(a) hot-rolling mills with a capacity exceeding 20 tonnes of crude steel per hour;

(b) smitheries with hammers the energy of which exceeds 50 kilojoules per hammer, where the calorific power used exceeds 20 MW;

(c) application of protective fused metal coats with an input exceeding 2 tonnes of crude steel per hour;

2.4. Ferrous metal foundries with a production capacity exceeding 20 tonnes per day.

2.5. Installations:

(a) for the production of non-ferrous crude metals from ore, concentrates or secondary raw materials by metallurgical, chemical or electrolytic processes;

(b) for the smelting and alloyage of non-ferrous metals, including recovered products, (refining, foundry casting, etc.) with a melting capacity exceeding 4 tonnes per day for lead and cadmium or 20 tonnes per day for all other metals.

2.6. Installations for surface treatment of metals and plastic materials using an electrolytic or chemical process where the volume of the treatment vats exceeds 30 m³.

3. Mineral industry

3.1. Installations for the production of cement clinker in rotary kilns with a production capacity exceeding 500 tonnes per day or lime in rotary kilns with a production capacity exceeding 50 tonnes per day or in other furnaces with a production capacity exceeding 50 tonnes per day.

3.2. Installations for the production of asbestos and the manufacture of asbestos-based products.

3.3. Installations for the manufacture of glass including glass fibre with a melting capacity exceeding 20 tonnes per day.

3.4. Installations for melting mineral substances including the production of mineral fibres with a melting capacity exceeding 20 tonnes per day.

3.5. Installations for the manufacture of ceramic products by firing, in particular roofing tiles, bricks, refractory bricks, tiles, stoneware or porcelain, with a production capacity exceeding 75 tonnes per day, and/or with a kiln capacity exceeding 4 m³ and with a setting density per kiln exceeding 300 kg/m³.

4. Chemical industry

Production within the meaning of the categories of activities contained in this section means the production on an industrial scale by chemical processing of substances or groups of substances listed in items 4.1 to 4.6

4.1. Chemical installations for the production of basic organic chemicals, such as:

- (a) simple hydrocarbons (linear or cyclic, saturated or unsaturated, aliphatic or aromatic);
- (b) oxygen-containing hydrocarbons such as alcohols, aldehydes, ketones, carboxylic acids, esters, acetates, ethers, peroxides, epoxy resins;
- (c) sulphurous hydrocarbons;
- (d) nitrogenous hydrocarbons such as amines, amides, nitrous compounds, nitro compounds or nitrate compounds, nitriles, cyanates, isocyanates;
- (e) phosphorus-containing hydrocarbons;
- (f) halogenic hydrocarbons;
- (g) organometallic compounds

(h) basic plastic materials (polymers synthetic fibres and cellulose-based fibres);

(i) synthetic rubbers;

(j) dyes and pigments;

(k) surface-active agents and surfactants.

4.2. Chemical installations for the production of basic inorganic chemicals, such as:

(a) gases, such as ammonia, chlorine or hydrogen chloride, fluorine or hydrogen fluoride, carbon oxides, sulphur compounds, nitrogen oxides, hydrogen, sulphur dioxide, carbonyl chloride;

(b) acids, such as chromic acid, hydrofluoric acid, phosphoric acid, nitric acid, hydrochloric acid, sulphuric acid, oleum, sulphurous acids;

(c) bases, such as ammonium hydroxide, potassium hydroxide, sodium hydroxide;

(d) salts, such as ammonium chloride, potassium chlorate, potassium carbonate, sodium carbonate, perborate, silver nitrate;

(e) non-metals, metal oxides or other inorganic compounds such as calcium carbide, silicon, silicon carbide;

4.3. Chemical installations for the production of phosphorous-, nitrogen- or potassium-based fertilizers (simple or compound fertilizers).

4.4. Chemical installations for the production of basic plant health products and of biocides.

4.5. Installations using a chemical or biological process for the production of basic pharmaceutical products.

4.6. Chemical installations for the production of explosives.

5. Waste management

5.1. Installations for the disposal or recovery of hazardous waste by procedures D1 to D12, or procedures R1, R5, R6, R8 and R9 as defined by a special regulation, with a capacity exceeding 10 tonnes per day.

5.2. Installations for the incineration of municipal waste with a capacity exceeding 3 tonnes per hour.

5.3. Installations for the disposal of non-hazardous waste by procedures D8 and D9 as defined by a special regulation, with a capacity exceeding 50 tonnes per day.

5.4. Landfills receiving more than 10 tonnes of waste per day or with a total capacity exceeding 25 000 tonnes, excluding landfills of inert waste.

6. Other activities

6.1. Industrial plants for the production of:

- (a) pulp from timber or other fibrous materials;
- (b) paper and board with a production capacity exceeding 20 tonnes per day.

6.2. Plants for the pre-treatment (operations such as washing, bleaching, mercerisation) or dyeing of fibres or textiles where the treatment capacity exceeds 10 tonnes per day.

6.3. Plants for the tanning of hides and skins where the treatment capacity exceeds 12 tonnes of finished products per day.

6.4. (a) Slaughterhouses with a carcase production capacity greater than 50 tonnes per day.

(b) Treatment and processing intended for the production of food products from:

- animal raw materials (other than milk) with a finished product production capacity greater than 75 tonnes per day,
- vegetable raw materials with a finished product production capacity greater than 300 tonnes per day (average value on a quarterly basis),

(c) Treatment and processing of milk, the quantity of milk received being greater than 200 tonnes per day (average value on an annual basis),

6.5. Installations for the disposal or recycling of animal carcasses and animal waste with a treatment capacity exceeding 10 tonnes per day.

6.6. Installations for the intensive rearing of poultry or pigs with more than:

- (a) 40 000 places for poultry;
- (b) 2 000 places for production pigs (over 30 kg), or 300 conditional heads; or
- (c) 750 places for sows, or 225 conditional heads.

6.7. Installations for the surface treatment of substances, objects or products using organic solvents, in particular for dressing, printing, coating, degreasing, waterproofing, sizing, painting, cleaning or impregnating, with a consumption capacity of more than 150 kg per hour or more than 200 tonnes per year.

6.8. Installations for the production of carbon (hard-burnt coal) or electrographite by means of incineration or graphitization.

ANNEX II

LIST OF MAIN INDICATIVE SUBSTANCES WHICH ARE USED FOR DETERMINING EMISSION LIMIT VALUES DURING THE PERFORMANCE OF ACTIVITIES FROM ANNEX I

The main indicative substances which may cause pollutant emissions to the soil, air, water and sea during the performance of the activities listed in Annex I to this Regulation and which should be taken into account as relevant for determining emission limit values, taking into account the instructions set out in this Annex are:

For air:

1. Sulphur dioxide and other sulphur compounds
2. Oxides of nitrogen and other nitrogen compounds
3. Carbon monoxide
4. Volatile organic compounds
5. Metals and their compounds
6. Dust
7. Asbestos (suspended particulates, fibres)
8. Chlorine and its compounds
9. Fluorine and its compounds
10. Arsenic and its compounds
11. Cyanides
12. Substances and preparations which have been proved to possess carcinogenic or mutagenic properties or properties which may affect reproduction via the air
13. Polychlorinated dibenzodioxins and polychlorinated dibenzofurans

For waters, including sea and soil:

1. Organohalogen compounds and substances which may form such compounds in the aquatic environment
2. Organophosphorus compounds
3. Organotin compounds
4. Substances and preparations which have been proved to possess carcinogenic or mutagenic properties or properties which may affect reproduction in or via the aquatic environment
5. Persistent hydrocarbons and persistent and bioaccumulable organic toxic substances
6. Cyanides
7. Metals and their compounds
8. Arsenic and its compounds
9. Biocides and plant health products
10. Materials in suspension
11. Substances which contribute to eutrophication (in particular, nitrates and phosphates)
12. Substances which have an unfavourable influence on the oxygen balance (and can be measured using parameters such as BOD, COD, etc.).

Instructions:

Considering that integrated environmental protection requirements are determined by an integrated procedure in which several environmental components and subsequently several substances which may be in a process (interrelation), have to be taken into account at the same time, in order to choose BATs (Best Available Techniques) it is necessary to prepare a priority list according to which that choice will be made. In doing that, main indicative substances have to be taken into account and the choice has to be guided by them.

For other substances which are not on this list, as BATs and other measures with accompanying emission values have been determined in line with main indicative substance from this list, other methods of reducing emissions shall be applied if necessary.

ANNEX III

OZ-IPPC

REQUEST FORM FOR DETERMINING INTEGRATED ENVIRONMENTAL PROTECTION REQUIREMENTS

The request form consists of several sections which are in conformity with the IPPC Directive. Economic entities have to answer the questions specified in the form and support their request with references for systems which are used in the installation, e.g. the management system may be specified but it is not necessary to submit all documentation.

Many questions can be answered simply by specifying the numbers related to tonnage of manufactured products, data on emissions and manufactured waste. This type of data may assist the economic entity to identify elements, such as actual costs of manufactured waste, which have to be taken into consideration in case of future changes. For all emissions mentioned in this request specify the periods in which sampling is performed and for which averages are calculated, as well as emission variations, e.g. if data are available – half hourly averages, daily averages, monthly averages, mass emissions and emissions per tonne of product.

All request forms for new installations have to be complete and in case of a request for an existing installation, all parts which cannot be completed must be specified and the reason therefore given. In that case, it will be possible to submit certain information subsequently, which information may be requested in the permit within the requirements for the improvement (see Section Q).

The request form contains the following data:

A. Data on the company

1. Basic data
2. Data on the installation
3. Additional information on the installation
4. Basic data on existing permits
5. Data related to modification of existing integrated environmental protection requirements
6. Protected data

B. Management systems which are applied or proposed

C. Data related to the installation and its location

1. Plan which presents the location of the installation and the location of all protected or sensitive areas
 - 1.1. Map with visible location and impact range
 2. Processes which are used in the installation, including services (energy, water treatment, etc.)
 3. Description of the installation
 4. Reference marks of emission sites presented on a block diagram of the installation
 5. Operational documentation of the installation

D. List of raw materials, secondary raw materials and other substances and energy consumed or manufactured during installation operations

1. Raw materials, secondary raw materials and other substances which are used in the installation
 - 1.1. List of raw materials, supplementary materials and other substances
 - 1.2. Water
 - 1.3. Storage of raw materials and other substances
2. Products and semi-products manufactured in the installation
 - 2.1. Products and semi-products
3. Energy consumed or manufactured in the installation
 - 3.1. Fuel and energy input
 - 3.2. Energy manufactured in the installation
 - 3.3. Characteristics of all energy consumers
 - 3.4. Energy use

3.5. Energy consumption

E. Description of types and quantities of projected emissions from the installation into any medium and identification of significant effects of emissions on the environment and human health

1. Air pollution

1.1. List of sources and points of emission into the air, including substances with an unpleasant odour and measures for preventing emissions

1.2. Description of methods for preventing emissions, their efficiency and environmental impact

2. Pollution of surface waters

2.1. Point of discharge into the receiving area

2.2. Produced waste waters

2.2.1. List of water pollution indicators

2.2.2. Description of methods for preventing emissions

2.2.3. Impact of pollutant emissions on the water and aquatic system

2.3. Release into the public sewage system

3. Pollution of soil

3.1. Pollution of soil

3.1.1. List of soil pollution indicators

3.1.2. Consequence of emissions on soil pollution and ecosystems

3.2. Soil pollution related to agricultural activities

3.2.1. List of soil pollution indicators

3.2.2. Consequence of emission on soil pollution and ecosystems

4. Waste management

4.1. Name and quantity of manufactured waste

5. Noise

6. Vibrations

7. Ionising radiation

F. Description and characteristics of the environment on the installation site

1. Graphic presentation of the exact location of the installation and the surrounding area

1.1. Map of the location and wider surrounding area

2. Characteristics of the environment in the surrounding area

3. Previous pollution and measures planned for the improvement of environmental status

G. Description and characteristics of existing or planned technology and other techniques for preventing or, if not possible, reducing emissions from the installation

1. Technologies and techniques which are used to prevent and reduce emissions from the installation (emissions which have an adverse effect on the environment)

2. Proposed (planned) technologies and techniques for preventing or reducing emissions from the installation.

H. Description and characteristics of existing or planned (proposed) measures for preventing production and/or recovery/disposal of waste produced in the installation

1. Measures for preventing the generation and/or recovery/disposal of waste produced in the installation

2. Proposed (planned) measures for preventing waste production and for recovery of waste from the installation

I. Description and characteristics of existing or planned measures and equipment used for monitoring the installation and environmental emissions

1. Existing system of measures and technical equipment for monitoring the installation and environmental emissions
2. Planned system of measures and technical equipment for monitoring the installation and environmental emissions
3. Environmental monitoring

J. Detailed analysis of the installation with regard to best available techniques (BATs)

1. Comparison with emission levels with regard to the application of best available techniques (BATs) – associated emission values)
2. Analysis of emission parameters of the installation in relation to BATs
 - 2.1. Air pollution
 - 2.2. Water and soil pollution

K. Description and characteristics of other planned measures, especially measures for improving energy efficiency, measures for preventing environmental threats and minimising the danger of accidents and their consequences

1. Measures for minimising consumption and better utilisation of raw materials, secondary raw materials, other substances and water
2. Measures for improving energy efficiency
3. Measures for preventing environmental threats and minimising the danger of accidents and their consequences
4. Measures for avoiding environmental pollution threats and measures for eliminating threats to human health after shutdown of the installation
5. Type and timetable of modifications which require or may require the issuing of new integrated environmental protection requirements
6. List of additional important documents related to environmental protection (environmental policy, declaration on the EMAS system, assigned controlled product label– environmentally acceptable product label)

L. List of measures which shall be undertaken after shutdown of the installation, for the purpose of avoiding all pollution threats or avoiding threats to human health and remediation of the installation site

M. Brief and comprehensive summary of data mentioned under items A to L for the purpose of informing the public

N. Identifying participants in the process and other entities for which the economic entity which manages the installation knows that they might be exposed to significant adverse effects if the existing or new installation would have transboundary effects

O. Statement

P. Attachments to the request:

1. Data marked as »Protected and Confidential!«
2. Additional documentation
3. List of abbreviations and symbols used

Q. Proposal of requirements for obtaining the permit (optional)

1. Proposal of the improvement programme which comprises items from B to K
2. Details on measurements and technical equipment which is used for protecting air, water, soil
3. Determining emission limit values
4. Measures for preventing pollution based on best available techniques
5. Measures for preventing and reducing waste generation, and if not possible, measures for waste recovery
6. Requirements in relation to use of energy

7. Measures for preventing accidents or restricting their consequences
8. Measures for reducing long-range transboundary pollution and transboundary effects
9. Measures for reducing pollution from the installation
10. Requirements in relation to surveillance methods and gathering data which the economic entity managing the installation has to record and enter into the information system
11. Requirements in relation to trial operation and measures related to extraordinary working conditions (halt in operations)

A. Data on the company

1. Basic data

1.1.	Name of economic entity			
1.2.	Legal form of the company			
1.3.	Type of request	New installation		
		Existing installation		
		Substantial modification of installation		
		Shut down of installation		
1.4.	Address of the economic entity			
1.5.	Postal address if different from 1.4.			
1.6.	E-mail and web address			
1.7.	Contact person, position			
1.8.	Economic entity's company registration number			
1.9.	Activity classification code of the economic entity			
1.1.1	Contact person			

2. Data on the installation

2.1.	Name of installation			
2.2.	Address of installation			
2.3.	Address of installation site			
2.4.	Number of employees			
2.5.	Date of start-up and shut-down of installation operation, if planned			
2.6.	List of installation activities pursuant to Annex I to the Regulation and processes performed a) b) c) d)	Installation capacity		

	e)	
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3. Additional information on the installation

3.1.	Environmental impact assessment carried out	No			Yes	
					Date: Document designation:	
3.2.	Are there significant transboundary effects on another state?	No	Yes		Document designation (short description in the request)	

4. Basic data on existing permits

4.1.	Location permit	Date of issue	
		Number	
		Not issued	
4.2.	Building permit	Date of issue	
		Number	
		Not issued	
4.3.	Operation permit	Date of issue	
		Number	
		Not issued	

5. Data related to modification of existing integrated environmental protection requirements

5.1.	Type of modification proposed and reasons for the modification	
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6. Protected data

No.	Protected data in the request	Protected/confidential data	Reasons why the data are considered as protected/confidential
	Protected data have to be marked by a green marker or printed on light green paper		

B. Management systems which are applied or proposed

Has the installation been certified according to the ISO 14001 norm or registered in line with the EMAS system	
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(or both) – if yes, state the number of certificate/registration	
Enclose the management flow chart to the request (specify positions, not names). Specify the reference codes of the enclosed document here.	

Regardless of whether the installation has been certified or registered as above mentioned, fill out the empty fields which follow

1. Either confirm that the documentation system has been established according to an environmental norm and specify reference codes of appropriate documents, so that the documents may be later examined on site;
2. Or, in absence of a documentation system, describe the method of resolving environmental issues.

If there is a plan to establish the documentation system, specify the date on which that system will be established.

		Document reference code or date by which the system will be established	Responsible person (specify for each request)
Does the installation have a formal environmental policy?			
Does the installation have programmes for preventive maintenance of the relevant plant and equipment? Is any method for keeping records of maintenance and re-examination of needs in relation to maintenance applied in the installation?			
Performance of supervision and measurements Is there a system for identifying key indicators of environmental impacts? Does the installation have an established and maintained system for measuring and monitoring indicators, which enables review and improvement of the installation operations?			
If the answer is YES, state the key indicators			
Training			

<p>Confirm that training systems have been established (or that they will be established and that training will begin within 2 months from the issuing of the permit)</p> <ol style="list-style-type: none"> 1. for all relevant personnel, including contractors and persons who procure the equipment and raw materials; and 2. that training includes the following issues <ul style="list-style-type: none"> • awareness of regulatory implications of the permit on installation and personnel's activities; • awareness of all environmental impacts that may result from operation in normal and extraordinary conditions; • awareness of the need to report any deviations from the permit; • prevention of accidental emissions and procedure that has to be performed in case of accidental emissions; • awareness of the need to introduce and keep records on training; 			
<p>Is there a clear announcement on qualifications and competences required for key posts?</p>			
<p>Which are the industrial standards for training in this sector, if existing, and to what extent does the installation fulfil them?</p>			
<p>Is there a written procedure for resolving, investigating, notifying and reporting on cases of real and potential inconsistencies, including undertaking of measures for mitigating adverse effects as well as for the initiation and implementation of corrective and preventive measures?</p>			
<p>Is there a written procedure for recording, investigating, as well as notifying and reporting on objections related to environmental issues, which includes undertaking of corrective measures and preventing recurrence of problems?</p>			
<p>Are regular (if possible) independent audit conducted for the purpose of</p>			

checking compatibility of all activities with the above mentioned requirements? (Specify the control body and frequency of controls)			
Assessment and reporting on environmental impacts Has it been clearly documented that higher management supervises environmental impacts and if necessary undertakes appropriate measures to ensure the fulfilment of obligations in line with environmental policy and to keep that policy relevant?			
Has it been clearly documented that higher management performs supervision over the implementation of the programme for the improvement of environmental status at least once a year?			
Is there any material evidence (e.g. written procedures) that environmental issues have been included in the following fields, in line with the requirements of the Regulation?			
• control over process changes which take place in the installation;			
• construction and inspection of new installations and equipment, engineering and other major projects;			
• approval of funds;			
• distribution of resources;			
• planning;			
• inclusion of environmental aspects into ordinary operational procedures;			
• procurement policy;			
• calculation of environmental protection costs in connection with processes which cause them and not as overhead expenses.			
Do company reports on environmental status, which are based on results of audit			

conducted by the management (annually or depending on frequency of audits), contain: • information required by the regulatory body; and			
• information on management system efficiency in relation to set objectives and to planned future improvements.			
Does the company provide public reports, if possible in the form of public announcements on the environmental status?			

C. Data related to the installation and its location

1. Plan which presents the location of the installation and location of all protected or sensitive areas

No.	Name of map	Reference number of map according to cadastral base	Annex No.

1.1. Map with visible location and impact range

2. Processes which are used in the installation, including services (energy, water treatment, etc.)

No.	Installation characteristics (description). Short description of each process

3. Description of the installation – support by a block diagram presenting the installation scheme (including technological units and emission points)

3.1. No.	Name of technological unit	Planned capacity	Technical description	Reference code from the block diagram in Annex No.
3.2. No.	Storage areas, temporary storage, handling raw materials, products and	Planned capacity	Technical characteristics	Reference code from the block diagram in Annex No.

	waste			
3.3.	Other technically related activities	Characteristics and description	Connection of activities with specific technological units and storage house	Reference code from the block diagram in Annex No.
No.				

4. Reference codes of emission points (prefix A for air; W for water (receiving area); L for waste landfill or storage; R for raw material storage house; S for emissions to soil, P: public sewage system) shown in the block diagram of the installation

Code	Emission point	Description	Annex No.

5. Operational documentation of the installation

D. List of raw materials, secondary raw materials and other substances and energy consumed or produced during installation operation

1. Raw materials, secondary raw materials and other substances used in the installation

1.1. List of raw materials, supplementary materials and other substances

No.	Installation	Raw materials, secondary raw materials and other substances	Description and characteristics with special emphasis on hazardous substances	Are alternative raw materials with environmental impact available?	Annual consumption (t) Usability

1.2. Water

1.2.1	Water intake	Use in installation operations	Consumption of technological and drinking water(\emptyset)			
No.			\emptyset (l·s ⁻¹)	max (l·s ⁻¹)	m ³ ·mon th ⁻¹	m ³ ·year ⁻¹
1.2.2	<i>Intake description, consumption of surface water, ground water and used water for reuse, input water quality, treatment of water taken in</i>					
No.						

1.2.3	<i>Diagrams of water supply and public sewage system (Reference document No.)</i>
No.	

1.3. Storage of raw materials and other substances

Support with list, locations and quantities

2. Products and semi-products produced in the installation

2.1. Products and semi-products

No.	Installation	Product and semi-product	Product and semi-product description	Registry number of substance (CAS)	Production (t·year ⁻¹)

3. Energy consumed or produced in the installation

(Specify data if they are easily available)

3.1. Fuel and energy input

3.1.1.	Fuel and energy input	Consumption unit/year	Thermal value (GJ·unit ⁻¹)	Transformed into GJ
3.1.2.	Natural gas			
3.1.3.	Brown coal			
3.1.4.	Black coal			
3.1.5.	Coax			
3.1.6.	Other solid fuels			
3.1.7.	Crude oil (fuel oil)			
3.1.8.	Gas oil			
3.1.9.	Heating oil			
3.1.10.	Other gases			
3.1.11.	Diesel fuel			
3.1.12.	Secondary energy			
3.1.13.	Renewable resources			
3.1.14.	Bought thermal energy		X	
3.1.15.	Bought electric energy		X	
3.1.16.	Other fuels			
3.1.17.	Total input energy and fuel quantities in GJ			

3.2. Energy manufactured in the installation

3.2.1.	Indicator	
3.2.2.	Installed electrical power in MW	
3.2.3.	Installed thermal power in MW	
3.2.4.	Production of electrical energy in MWh and GJ	
3.2.5.	Production of thermal energy in GJ	

3.2.6.	Sale of thermal energy in GJ	
3.2.7.	Sale of produced electrical energy in MWh and GJ	

3.3. Characteristics of all energy consumers

3.3.1.	Nomenclature, name and technical characteristics of the consumer	Annual energy consumption	Real energy efficiency of the device	Target energy efficiency of the device

3.4. Energy consumption

3.4.1.	Indicator	
3.4.2.	Total bought and produced energy in GJ	
3.4.3.	Total bought and produced energy in GJ	
3.4.4.	Total energy consumption in GJ	
3.4.5.	Total energy consumption for heating and hot water from the heating system in GJ	
3.4.6.	Total energy consumption for technological and other processes in GJ	

3.5. Energy consumption

No.	Product	Unit	Energy consumption/ tonne of products			
			Electrical energy		Thermal energy GJ/unit	Total GJ/unit
			KWh/unit	GJ/unit		

E. Description of type and quantity of predicted emissions from the installation into any media and establishment of significant consequences of emissions on the environment and human health

For all emissions mentioned in this request it is necessary to state periods in which sampling is performed and for which averages are calculated, as well as emission variations, e.g. where data are available – half hourly averages, daily averages, monthly averages, mass emissions and emissions per tonne of product

1. Air pollution

1.1. List of sources and points of emission into the air, including substances with unpleasant odour (in units for odour) and measures for preventing emissions (including code of the activity which causes emissions pursuant to a special regulation)

	Emission source (reference to numeral)	Pollutants	Method for reducing emissions	Emission data – (specify units and
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	codes from the block diagram)		(e.g. cloth filter, sedimentation, etc.)	base for expressing measuring results are, e.g. mg/Nm ³ , kg/tonne of product, kg/d etc.)

1.2. Description of methods for preventing emissions, their efficiency and environmental impact

1.2. Description of methods for preventing emissions, their efficiency and environmental impact

2. Surface water pollution

2.1. Point of discharge into the receiving area

2.1.1.	Name of the receiving area (river, lake, sea)	
2.1.2.	Category of receiving area	
2.1.3.	Position of the point of discharge in relation to the receiving area	
2.1.4.	Hydrogeological characteristics and aquifer protection zone	
2.1.5.	Pollution with other water status indicators	

2.2. Generated waste water

2.2.1. List of water pollution indicators

Point of discharge code, see block diagram	Site of waste water generation	Total daily quantity (m ³ /day) and Flow, m ³ /h	Types and characteristic of pollutants	Before purification		After purification	
				Purification method	Concentration mg/l	Concentration mg/l	Annual emissions (t) and emission/product unit (mg/l · unit)

2.2.2. Description of methods for preventing emissions

2.2.2.	Description of methods for preventing emissions

2.2.3. Impact of pollutant emissions on water and the aquatic ecosystem

Ordinal No.	Purification of waste waters and consequence of pollutant emission on water and the aquatic ecosystem, purifications

2.3. Discharge into the public sewage system

Point of discharge code, see block diagram (code K and No.)	Sites of waste water generation	Total daily quantity m ³ and flow, m ³ /hr	Medium release period (min/hr, hr/day, day/year)	Type, quantity and characteristics of pollutants

Also state and if possible enclose: contract with the utility company on acceptance of appropriate waste water discharges, method for purifying pollution typical for the installation in the utility purification device, potential reactions of such substances and possible impact on the public sewage system.

3. Soil pollution

3.1. Soil pollution

3.1.1. List of soil pollution indicators

Code of point of emission to soil	Sites of generation of emissions to soil	Pollutants and their characteristics	Total daily quantity (kg ³) and flow, kg/hr	Before purification	After purification
				Concentration in soil (unit) and annual emissions (t) to soil	Concentration in soil (unit) and annual emissions (t) to soil

3.1.2. Consequences of emissions to soil pollution and the soil's ecosystem

No.	Description of consequences of emissions to soil pollution and the soil's ecosystem, purification

3.2. Soil pollution related to agricultural activities

3.2.1. List of soil pollution indicators

Agricultural area code	Sites of generation of emissions to soil	Agents used to treat soil and their characteristics	Total daily quantities kg or t	List of other soil pollution indicators

3.2.2. Consequences of emissions to soil pollution and the soil's ecosystem

No.	Description of consequences of emissions to soil pollution and the soil's ecosystem, purification

4. Waste management

4.1. Name and quantity of produced waste

No.	Waste name	Key waste number	Waste recovery and/or disposal procedures	Physical and chemical characteristics of waste	Annual quantity of produced waste (t)	Annual quantity of recovered waste (t)	Annual quantity of disposed waste (t)	Waste disposal/recovery site	Waste storage – code from block diagram WS

5. Noise

5.1.	Noise sources	Source description	Level of acoustic noise at source LWA (dB)		
No.					
5.2.	Value of equivalent noise level L_{Aeq} in dB in monitored areas				
No.	Measurement location	<i>Day</i>		<i>Night</i>	
		<i>Highest permitted value</i>	<i>Measured value</i>	<i>Highest permitted value</i>	<i>Measured value</i>

6. Vibrations

6.1.	Vibration source	Description of vibration source	Values of assessed vibration acceleration, $a_{wq,T}$ (ms^{-2})		
No.					
6.2.	Values of assessed vibration acceleration which is caused by the installation in monitored area, $a_{wq,T}$ (ms^{-2})				
No.	Measurement location	<i>Day</i>		<i>Night</i>	
		<i>Highest permitted value</i>	<i>Measured value</i>	<i>Highest permitted value</i>	<i>Measured value</i>

7. Ionising radiation

7.1.	Ionising radiation source	Description of ionising radiation	Type of radiation	Radiation value
7.2.	Value of ionising radiation caused by the installation in monitored area			
	Measurement location	<i>Radiation type</i>	<i>Highest permitted value</i>	<i>Measured value</i>

F. Description and characteristics of the environment at the installation site

1. Graphic representation of exact installation location and surrounding area

1.1. Map of location and wider surrounding area

2. Characteristics of wider surrounding area

Substance	Have the concentrations of significant substances which are emitted into air, water and soil (including ground water) been measured in the environment and the level of noise and vibrations determined? Specify report reference number		
No.			

Answer: Whether the economic entity or competent body has prepared the model of dispersing emissions in the environment or conducted the environmental impact assessment procedure

3. Previous pollution and measurements for improving the environmental status

No.	Description	Annex No.

Comment:

G. Description and characteristics of existing or planned technology and other techniques for preventing or, where not possible, reducing emissions from the installation

1. Technologies and techniques used for preventing and reducing emissions from the installation (emissions with adverse environmental impact)

1.1.	Environmental component	
1.2.	General characteristics and technical description of technologies and techniques	
1.3.	Timetable and situation in relation to application of technologies and techniques	
1.4.	Improvements related to the environment	
1.5.	Efficiency of technologies and techniques	
1.6.	Treatment of residues	
1.7.	Investment and additional expenses related to relevant technologies and techniques	

2. Proposed (planned) technologies and techniques for preventing and reducing emissions from the installation

Note: use table from item 1 appropriately

H. Description and characteristics of existing or planned (proposed) measures for preventing production and/or recovery/disposal of produced waste from the installation

1. Measures for preventing production and/or recovery/disposal of produced waste from the installation

1.1	Waste	
1.2.	Timetable and situation in relation to application of technologies and techniques	
1.3.	Description of measures for preventing waste production and measures for recovery prior to produced waste	
1.4.	Reasons for undertaking measures, improvements related to environmental protection	
1.5.	Efficiency of measures	
	Investment and additional expenses related to measures	

Comment: _

2. Proposed (planned) measures for preventing production and recovery of waste from the installation

Note: use table from item 1 appropriately

I. Description and characteristics of existing or planned measures and equipment used for supervising the installation and environmental emissions

1. Existing system of measures and technical equipment for supervising the installation and environmental emissions

1.1.	Supervised emission	
1.2.	Emission point	
1.3.	Measurement/sampling site	
1.4.	Measurement /sampling methods	
1.5.	Measurement frequency	
1.6.	Measurement/sampling conditions	
1.7.	Monitored quantities	
1.8.	Analytical methods	
1.9.	Technical characteristics of measures	
1.10.	Entity which performs measurement/sampling	
1.11.	Organisation which performs analysis/laboratory	
1.12.	Authorisation/accreditation for measurements or laboratory authorisation/accreditation	
1.13.	Method of registering, processing and storing data	
1.14.	Panned supervision changes	
1.15.	Is the environmental status supervised?	

Remarks: _

2. Planned system and technical equipment for the supervision of the installation and environmental emissions

Note: use table from item 1 appropriately

3. Environmental monitoring

Note: use table from item 1 appropriately

J. Detailed analysis of the installation in relation to best available techniques (BATs)

1. Comparison with emission levels related to the application of best available techniques (BATs–associated emission values)

Technical-technological solutions	Achieved or proposed emission	BATs–associated emission values	Justification (explanation) of the difference between the range of emissions while using BATs and achieved emissions. Propose a plan for undertaking measures and time framework for the achievement of levels equal to the ones achieved while using BATs (see Q1)
1.1.	Indicators: processes and equipment		
1.2.	Indicators: raw material consumption and balance of materials		
1.3.	Indicators: water consumption		
1.4.	Indicators: energy consumption and energy efficiency		
1.5.	Additional indicators		

2. Analysis of emission parameters of the installation in relation to BATs

2.1. Air pollution

Note: use table from item 1 appropriately

2.2. Water and soil pollution

Note: use table from item 1 appropriately

K. Description and characteristics of other planned measures, especially measures for improving energy efficiency, measures for preventing environmental threats and minimising the danger of accidents and their consequences

1. Measures for minimising consumption and better use of raw materials, secondary raw materials, other substances and water

1.1.	General characteristics and detailed technical description of measures
1.2.	Timetable and situation in relation to implementation of measures
1.3.	Briefly state the reasons for undertaking measures and improving the environmental status
1.4.	Annual savings of raw materials, water, secondary raw materials and supplementary materials
1.5.	Investment and additional expenses related to measures

2. Measures for improving energy efficiency

2.1.	General characteristics and detailed technical description of measures
2.2.	Timetable and situation in relation to implementation of measures
2.3.	Briefly state the reasons for undertaking measures and positive changes in the environmental status
2.4.	Fuel savings (GJ·year ⁻¹)
2.5.	Energy savings (GJ·year ⁻¹)
2.6.	Investment and additional expenses related to measures

3. Measures for preventing environmental threats and minimising the danger of accidents and their consequences

No. Description of measures for preventing environmental risks and minimising the danger of accidents and their consequences

4. Measures for avoiding environmental pollution and measures for eliminating threats on human health after shutdown of the installation

No. Description of the system for eliminating threats

5. Type and timetable of modifications which require or could require the issuing of new integrated environmental protection requirements

Ordinal No.	Planned modifications	Description of planned modifications and their environmental impact	Modification deadline

6. List of additional important documents which are related to environmental protection (environmental policy, declaration on the EMAS system, assigned controlled product label – environmentally acceptable product label)

Ordinal No. Additional documents

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L. List of measures to be undertaken after shutdown of the installation, for the purpose of preventing any risks of pollution or avoiding threats for human health and remediation of the installation location

Results of the location examination in relation to existing pollution of soil and ground water from the installation, or proposal for the performance of such examination, and proposed timeframe (see Q.1)

Description of the proposed decommissioning programme for the installation or proposal for the preparation of such a programme

M. Brief and comprehensive summary of data listed in Sections A. – L. for public information

Non-technical summary 1. Name, location and owner of the installation: 2. Short description of overall activities with explanation: 1. Description of activities with emphasis on environmental impact and use of resources and emission production: 1.1. Use of energy and water- annual quantities: 1.2. main raw materials. 1.3. hazardous substances and plan for their replacement: 1.4. used techniques and comparison with BATs 1.5. significant air and water emissions (concentrations and annual quantities): 1.6. impact on air and water quality and other environmental components: 1.7. production of waste and its treatment: 1.8. preventing accidents: 1.9. planning for the future: reconstruction, extension, etc.: Summary attachments: 1. map 1:25 000 with presentation of the location and space usage 2. map 1: 1000- with presentation of emission points, buildings, storage tanks, etc. 3. simplified process schemes with emission diagram
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N. Identification of participants in the process and other entities for which the economic entity which manages the installation knows that they might be exposed to adverse effects if the existing or new installation has transboundary effects

List of participants

O. Statement

I hereby confirm having prepared this request for the issuing of a unique/ modified unique permit.

I hereby confirm the accuracy, correctness and completeness of data.

The body which issues permits or local administration bodies are allowed to submit copies of this request or parts thereof to other persons.

Signature:
(Company representative)

Date: _____

Signatory's name: _____
Position in the company: _____

Company seal:

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P. Attachments to the request

1. Data marked as »Protected and confidential!«

No.	Reasons for placing that mark and value of protected data
No.	Reasons for placing that mark and value of confidential data

2. Additional documents

2	Other documents					
No.	<i>Excerpt from the cadastre (land registry books) for the area where the installation, for which the permit is being issued, will be located</i>					Annex No.
No.	Decisions and opinions of state bodies, issued prior to submitting the application for issuing the permit for the installation					Annex No.
	Environmental component	Type of approval, permit, decision, etc., body competent for issuing	Date of issuing	Valid until	Document number	
No.	Final opinion on the basis of environmental impact assessment, if required					Annex No.
No.	Waste management plan					Annex

		No.						
<i>No.</i>	Programme for the prevention of major halt of installation operations, if required	Annex No.						
<i>No.</i>	Summary of principles and regulations from the spatial plan of the concerned zone, if the installation is located in a zone for which a spatial plan has been drawn up	Annex No.						
<i>No.</i>	Location permit, in case of a new installation or extension of the existing installation	Annex No.						
<i>No.</i>	Documents and building project which are required for the issuing of a building permit, if a unique permit is an integral part of the building permit, with the exception of decisions, permits, opinions and evaluations of competent bodies which participate in this process	Annex No.						
<i>No.</i>	The following documents which are required in line with environmental legislation for the sector concerned:	Annex No.						
	<table border="1"> <thead> <tr> <th>Environmental component (water, air, soil, etc.)</th> <th>Document type</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Environmental component (water, air, soil, etc.)	Document type	Date				
Environmental component (water, air, soil, etc.)	Document type	Date						
<i>No.</i>	Enclosed documents have been prepared for the purpose of submitting the request	Annex No.						
<i>No.</i>	Relevant (valid) minutes on measurement results (emissions into air, water, air quality in a relevant area (territory), water quality in a relevant river, noise study, other)	Annex No.						
<i>No.</i>	Balance of materials used in the installation	Annex No.						
<i>No.</i>	Documents on payments of the administrative fee	Annex No.						

3. Abbreviations and symbols

No.	List of abbreviations and symbols used

Q. Proposal of requirements for obtaining the permit – optional

1. Proposed Improvement Programme which includes items B. to K. Improvement Programme

Table_: requirements from the Improvement Programme		
Ref. No.	Requirement	Date
Class improvement 5. – Required basic changes in the process		
Class improvement 4. – Required major investment		
Class improvement 3. – Required new or improved processes		
Class improvement 2. – Required trials or studies, audit results, etc.		
Class improvement 1. – It is required to submit information which have not been submitted with the request		

2. Details on measurements and technical equipment used for the protection of air, water and soil

No.	Measurement description	Month and year of performance

3. Determining emission limit values

2.1. No.	Environmental component	Emission source	Discharge point	Pollutants or indicators	Proposed value	Month and year of request
2.2. No.	Reasons for the proposed limit value					

4. Measures for preventing pollution based on best available techniques

No.	Measure description	Month and year of application

5. Measures for preventing and reducing waste production, and if not possible, measures for waste recovery

No.	Measure description	Month and year of application

6. Requirements in terms of energy use

No.	Measure description	Month and year of application

7. Measures for preventing accidents and limiting their consequences

No.	Measure description	Month and year of application

8. Measures for restricting major transboundary pollution and transboundary effects

No.	Measure description	Month and year of application

9. Measures for reducing pollution from the installation

No.	Measure description	Month and year of application

10. Requirements in terms of supervision methods and gathering data which the economic entity which manages the installation has to record and enter into the information system

No.	Description of monitoring and emission register

11. Requirement in terms of trial operation and measures related to extraordinary working conditions (halt in operations)

No.	Description of the requirement or measures

ANNEX IV

When establishing best available techniques (from the term BATs referred to in the Act), in general or in special cases, taking into consideration expenses and benefits related to specific measures and taking into consideration the precautionary principle and principle of prevention, the following requirements have to be taken into account:

1. use of technologies that produce small amounts of waste;
2. use of less dangerous substances;
3. promoting recovery and recycling of substances which are produced and used in the process, and where appropriate, waste;
4. comparable procedures, devices and working methods which have been successfully tested on the industrial level;
5. technological improvement and changes in scientific concepts and perceptions;
6. type, effects and extent of concerned emissions;
7. date of putting new or existing installations into operation;
8. time required for the introduction of best available techniques ;

9. consumption and characteristic of raw materials (including water) which are used in the procedure and energy efficiency;
10. need to prevent or minimise overall environmental impact of emissions as well as threats related to them;
11. need to prevent accidents and to minimise their consequences on the environment;
12. all new information on techniques which are published in EU official documents.

REFERENCE:

Lists of best available techniques shall be published in EU official documents, and in that way they shall be available to company operators which are subject to the application of this Regulation.

ANNEX V

**MANDATORY CONTENT OF SITUATION ANALYSIS OF THE EXISTING
INSTALLATION AND MANDATORY CONTENT OF THE STUDY ON THE METHOD OF
HARMONISING THE EXISTING INSTALLATION WITH THE PROVISIONS OF THE ACT
AND THIS REGULATION**

1. Situation analysis of the existing installation shall contain:
 - 1.1. Data in relation to mandatory content of the request for determining integrated environmental protection requirements according to items A, B, C, D, E, F, G, H, I, J, K, L, from Annex III to this Regulation which may be provided and determined during the performance of analysis;
 - 1.2. Specification and explanation of reasons for missing data in line with item 1.1. above and information on potential subsequent data submission;
 - 1.3. Established deviation from the Best Available Techniques (BATs) if any;
 - 1.4. Attachments which are prescribed as mandatory to the request for determining integrated environmental protection requirements according to the appropriate items in line with item 1.1 above;
 15. Other data and documents if required, depending on the location of the existing installation, activity and range of known and predictable environmental impact.
2. Study on the method of harmonisation of the existing installation with the provisions of the Act and this Regulation shall contain:
 2. 1. parts of pre-investment or investment study for harmonisation:
 - 2.1.2 Technical and technological analysis
 - 2.1.2. 1. Technology (has to be based on BATs)
 - 2.1.2. 2. Description of the technical solution
 - 2.1.2.3. Use of energy and materials
 - 2.1.3. Utilisation of production capacity
 - 2.1.4. Project life cycle
 - 2.1.5. Project dynamics
 - 2.1.6. Financial resources and obligations towards them
 - 2.2. Other non-investment measures with performance dynamics
 - 2.3. Appropriate attachments (for examples: parts of or entire investment study)
 - 2.4. Proposal of the opinion, it should provide, to the Ministry
 - 2.4.1. Established deviation from BATs if any

2.4.2. List of all measures (investment and non-investment) which the operator has to undertake according to results of the chapters referred to in items 2.1. to 2.2 above with their performance dynamics

2.4.3. Statement on inclusion of the mentioned measures and obligations in the request for determining integrated environmental protection requirements.

PROVISIONAL TRANSLATION