

A format of materials submission for their placing in the Information Electronic Constantly Updated Open System “The Best Available and Perspective Nature Protection Technologies in the Russian Power Industry”

For forming an objective opinion on advantages and disadvantages of the applied or proposed for application the state-of-the-art best available and advanced nature protection technologies in power engineering, the minimal required data are as follows:

for technology

- name;
- brief description;
- type and capacity of power-generating equipment on which it is recommended or possible to apply the considered technology;
- scope;
- restrictions on technology application;
- advantages and disadvantages;
- reference list;
- data on presence/absence of copyrights to the applied technology, developers and/or legal owners of the technology;
- list of information sources.

for analytical materials and/or normative and technical documents

- name;
- brief description;
- full text;
- scope;
- data on developers;
- list of information sources.

Requirements for structure and content.

1. ***A name of the technology (analytical material or normative and technical document)*** should reflect its essence, be brief and precise.
2. ***Description of technology (analytical material or normative and technical document)*** should be brief under the text and contain a minimum quantity of schemes (figures), sufficient for understanding an essence of the technology (analytical material or normative and technical document) without disclosing the KNOW-HOW and the data making a trade secret.
3. ***Full text of normative and technical document*** should be resulted without changes, as in the primary source.
4. ***Type and capacity of power-generating equipment*** on which it is recommended or possible to apply the considered technology. Here types and passport capacities of power-generating equipment, where technologies are introduced, are specified. Power-generating equipment, where application of these technologies is possible, and also necessary conditions for their implementation are separately specified.
5. ***Scope of technology (normative and technical document)*** should contain precisely specified limits.
6. ***Technology application restrictions.*** Here restrictions, revealed during implementation and operation, both skilled, and industrial, are specified. There can be recommendatory data resulted as well.
7. ***Advantages and disadvantages of the considered technology.*** This part contains data on change of parameters before and after implementation of the technology:
 - technological (specific parameters of a fuel rate for electric and thermal energy generation, reliability, efficiency, a warranty period of maintenance, etc.);
 - ecological (environmental effect at the power plant site and at the zone of power enterprise impact, use of natural resources, etc.);
 - economic (the cost price of thermal or electric energy generation, expense or change of expenses per unit of coal combustion by-products handling, etc.);

- social (improvement of working conditions and decrease of attendants' traumatism; creation of new work stations in the zone of power installation arrangement, etc.);
- other parameters describing application of the technology.

7. **Installations of technology implementation.** Here legal names of power enterprises (branches), numbers or names of equipment accepted at the power enterprise and other data, allowing to identify a place of technology introduction, are specified.

8. **Data on presence/absence of copyrights to the applied technology, developers and/or legal owners of technology.** As developers or legal owners of technology or separate key developments used in the considered technology, both organizations and natural persons can be specified that should follow from patents, utility model certificates or other resulted documents.

9. **Data on developers.** Developers of the document should be specified in the normative and technical documents.

10. **List of information sources.** As information sources there can be used scientific and technical mass-media, printed and electronic; instructions of manufacturers approved when due hereunder normative-technical and other documents specifying a full output information using that the information source can be defined.

11. **The author (authors).** At the end of the paper it is necessary to specify: the author (authors) of the information, a place of their work, a scientific degree, contact data (phone, fax, e-mail).

Requirements for materials formatting

The paper text should be placed in the boundary lines, defined by the following parameters of a page:

Paper size — A4 (210 x 297 mm);

Orientation — book;

The overhead field — 1,5 cm;

The bottom field — 1,5 cm;

The left field — 1,5 cm;

The right field — 1,5 cm

Changing a size of fields is not supposed.

The text should be prepared using Microsoft Word.

Type lettering of a body text: Times New Roman, 10 pi. **THE LIST OF INFORMATION SOURCES** is typed with 8 pi. An example of **THE LIST OF INFORMATION SOURCES** is resulted below. It is supposed for use not less than 8 pi lettering for the figures.

Mathematical formulas should be typed by means of equation editors.

Interval - single. The text is typed with carry (width of a hyphenation — 0,25 cm) and formatted on width in two columns. An interval between the columns — 0,6 cm.

The technology name is written by a capital bold type without carries and formatted on the center.

All the figures should have a good quality. They can be black-and-white and colour.

Names of parts and paragraphs of the paper should contain numbers and names of the matching structural elements. Number is separated from the name by a point and a white space. At the end of the name of a section or a paragraph point is not put. A number of the part is its serial number in the content. A paragraph number is compound; it should begin with a number of the current part and also contain a serial number of the paragraph in the part. Components of such a number are divided by a point without an additional white space. At the paragraph link in the text the sign § supposed.

In the text of the paper on the considered technology at the analysis of results of its various implementation on one or different installations comparative parameters are better to present in the table.

Authors of information are specified in a random order under discretion of authors. In the list, first of all, initials, then a surname of the author (authors), a place of their work, a scientific degree are specified. For foreign authors it is necessary to specify the country of residence.

Quality of represented materials should be comprehensible for their placing on a site without an aftertreatment.

The presented information will not be edited.

A LIST OF INFORMATION SOURCES

1. **Оцисик М.Н.** Сложный теплообмен. М.: Мир, 1976. 661 с.
2. **Современная флексографическая печать** / Ф.С. Савицкий, В.М. Трмут, СБ. Михайлов, В.Б. Мартынов. М.: Радуга, 1982. 391 с.
3. **Теплообмен** и гидродинамика в каналах сложной формы / Ю.И. Давыдов, Б.В. Дзюбенко, Г. А. Дрейцер и др.; Под ред. В.М. Иевлева. М.: Машиностроение, 1986. 200 с.
4. **Суржиков С.Т.** Перенос излучением в неоднородных слоях // ТВТ. 1997. Т. 35. №3. С. 35-38.
5. **Пластинин Ю.А.** Влияние вращательной структуры молекулярных полос // Динамика излучающего газа: Тр. 4-й Всес. конф. М.: МГУ, 1981. Т. 2. С. 36.
6. **Белоусов Н.И., Саакян А.Е., Яковлева А.И.** Электрические кабели, провода и шнуры: Справочник / Под ред. Н.И. Белоусова. 5-е изд. М.: Энергоатомиздат, 1987.
7. **Экспериментальное** исследование теплопроводности He-3 / В.В. Царев, К.К. Иванов, А.А. Сидоров, Б.Б. Петров // Научн.тр. МГТУ. М.: Изд-во МГТУ. 1995. № 73. С. 185-190.
8. **Vidal F., Veitra J.A. and Maza J.** Deconstruction and the limits of sense // Essays in criticism. Oxford, 1991. №3. P. 281-292.