Best available techniques for intensive livestock farming in Russia

results of the German–Russian project

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Implementing organizations:

• DöhlerAgrar, Germany
• Institute for Engineering and Environmental Problems in Agricultural Production (IEEP), the Russian Federation
• German Environment Agency (UBA)

Phase 2 - 07.2016 - 09.2018

This project was financed by the German Federal Environment Ministry’s Advisory Assistance Programme (AAP) for environmental protection in the countries of Central and Eastern Europe, the Caucasus and Central Asia and other countries neighbouring the European Union. It was supervised by the German Environment Agency (UBA).
The reforming of the Russian environmental legislation is currently in progress with the overall aim to improve and coordinate it with the corresponding European standards. Application of BAT criteria is one of the harmonisation elements of Russian and European environmental policies.


The release of the Russian reference books on BAT “Intensive rearing of pigs” and “Intensive rearing of poultry” was scheduled for 2017.

At present the integration of BAT system in Russia’s agricultural production is at an initial stage. For that reason all practical, methodical, research and technical aspects of BATs application in Europe are of the utmost interest.
The overall objective of this project is to develop an information exchange on the integrated and specific methodology for the classification of livestock housing systems, and of storage, treatment and spreading of manure produced, in terms of “Best Available Techniques (BAT)” (which has been developed during the IED information exchange in Central Europe).

The specific objective of the project Phase 1 is to draft proposals on introduction of BATs for intensive livestock farming in the Russian Federation based on the relevant European experience.

Phase 2 seeks to make a substantial technical contribution to the consolidation of the process of developing BATs for the relevant livestock categories in intensive livestock farming and to a high technical standard on the basis of the approach applied in the EU.
Results of project phase 1

- BAT assessment method adapted to Russian techniques

- methods for data collection in agricultural enterprises; collection of data in Kaliningrad and Leningrad Regions,

- exemplary identification and assessment of Russian BATs,

- recommendations regarding the further identification and assessment of BATs in Russia,

- dissemination and discussion of the results and exchange of information between different actors
Work Packages of the project phases 1 and 2

WS2 BAT-Process in EU and Russia Legislative Base and Regulatory Framework
WS3 Methodology development for BAT identification
WS4 Data collation
WS5 Assessment of Techniques and identification of BAT

Recommendations and requirements how to identify the BATs for intensive livestock farming

Phase 2

WP1 Project management

WP2 Visits to installations for intensive livestock rearing in 3 regions of Russia

WP3 Derivation of priority technical aspects in developing the Russian BAT reference document

WP4 Supporting the exchange of information on applied techniques between different stakeholders, authorities and scientific institutions

WP5 Exemplary development of a manure management plan

WP 3b Workshop “Integrated permit”

Technical Working Groups of the Bureau of BAT
Russian information and technical reference books
“Intensive rearing of pigs” “Intensive rearing of farm poultry”

WP 6 Final workshop and reporting
“Intensive rearing of pigs” “Intensive rearing of farm poultry”

WP 6 Final workshop and reporting
Workshops during the lifetime of the Russian-German BAT Project (Phase 1 and 2)

WORKSHOPS with experts from Russia and EECCA – countries

- General information on the way how to identify BAT – results phase 1 (2016)
- Information on integrated permits in Europe (2017)
- Final workshop with concluding remarks and recommendations (2018)
Elaborating phase of Russian BREF’s for pig and poultry rearing


- Feed in the outcomes of the Russian-German project, namely the provisions of “Recommendations and Requirements How to Identify BATs for Intensive Livestock Farming in the Russian Federation”

- Feed in the studied European experience of BAT identification

- Feed in methodological approaches to BREF formation adjusted to the Russian conditions
Stages in development of Russian BAT reference books in Technical Working Groups 41 and 42 of the Russian BAT Bureau (analogue of Seville process)

- Drafting of questionnaires for initial data collection to be used in BAT reference books development
- Distribution of questionnaires and processing of collected data
- Preparation of materials for BAT reference books content
- Discussion and amendment of prepared materials
- Organisation of public discussion of draft BAT reference books
- Preparing explanations and answers to received comments
- Conclusions and recommendations for future BREF editing
In 2017, two Russian BAT information and technical reference books were completed:

- “Intensive rearing of pigs” (No. 41) was approved by the order of Federal Agency on Technical Regulating and Metrology (Rosstandart) of 13 December 2017, No. 2819;

- “Intensive rearing of farm poultry” (No. 42) was approved by the order of Rosstandart of 29 November 2017, No. 2667.

Both reference books came into effect on 01 June 2018.

http://www.burondt.ru/NDT/NDTDocsFileDownload.php?UrlId=1408

Навычные доступные технологии (НДТ) для интенсивного животноводства и птицеводства

ФЗ № 220 "О внесении изменений в Федеральный закон "Об охране окружающей среды и охране экоотдыхающий фондов Российской Федерации". НДТ включают в себя мероприятия по обеспечению экологической безопасности в животноводстве и птицеводстве, включающие в себя:

1. Планирование и организация деятельности

Планирование и организация деятельности:

2017 год: разработка и реализация мероприятий по внедрению доступных технологий в области интенсивного животноводства.

2017 год: разработка и реализация мероприятий по внедрению доступных технологий в области интенсивного птицеводства.

До 1 января 2025 года внедрение инновационных и инновационно-ориентированных технологий, соответствующих международным нормам и стандартам, на объектах, относящихся к области применения наилучших доступных технологий, обеспечивающих экологичность животноводства и птицеводства.

Информация о реализации проекта "Инновационные технологии в животноводстве" доступна на официальном сайте проекта.

DöhlerAgrar, German Environment Agency (UBA),
Federal State Budget Scientific Institution "Institute for Engineering and Environmental Problems in Agricultural Production – IEEP"

On behalf of:
Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety

of the Federal Republic of Germany

Umwelt Bundesamt

IEEP
Summary and conclusions

• Russian legislation is aiming at more environmental sound livestock industry

• Government has decided to implement integrated permits for large pig and poultry livestock enterprises

• National regulation requires issueing Reference documents describing best available techniques for the intensive rearing pig and poultry sector

• Conclusions and recommendations for further improvements have been submitted by Russian-German project partners

• By the end of 2017 Russian Reference books (1 pig, 1 poultry) have been published and are in effect since June 2018
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Thank you for your attention!

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