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ENVIRONMENTAL IMPACT ASSESSMENT REPORT
AGRICULTURAL PROCESSING COMPANY, GOŚWINOWICE ETHANOL PRODUCTION PLANT
PROJECT DEVELOPMENT STAGE

LIST OF APPENDICES

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General conditions

1. Local Land Use Plan extract
2. Land register map
3. Decision on the land development and management conditions no. AGI/UA-II-7331/1/2004
4. Draft map
5. Location plan for Goświnowice Ethanol Production Plant

Appendices (air)

- 2/1 Current air quality
- 2/2 Wind rose
- 2/3 Calculation data
- 2/4 Maximum concentrations, their distances and scope of calculations
- 2/5 Calculation results of one hour concentrations at the ground level
- 2/6 Calculation results of average yearly concentrations
- 2/7 Calculation results of dust precipitation
- 2/8 Calculation results of one hour concentrations at the development level

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5. SUMMARY

The document concerns the comprehensive impact assessment, hereinafter referred to as **report**, at the stage of issuing the decision on construction permit.

According to the Regulation of the Council of Ministers of 24 September 2002 concerning the list of undertakings which may have a significant impact on the environment and detailed criteria with respect to the qualification of undertakings for the preparation of environmental impact assessment reports (Journal of Laws No. 179/2002, Item 1490, the investment in question, Goświnowice Ethanol Production Plant, is classified as one which may have a significant impact on the environment and for which **the environmental impact assessment report is required** (Par. 2 clause 1 point 1c) (production of primary products or intermediate products of organic chemistry). Therefore, the provincial governor is the competent authority with respect to environmental protection for Goświnowice Ethanol Production Plant.

The planned facility is a plant **which may cause significant environmental pollution** (Journal of Laws No. 122/2002, Item 1055, Annex - Section 4.1) as it will be used to “manufacture, using chemical processes, primary products or intermediate products of organic chemistry” and, therefore, it needs an integrated permit.

The undertaking includes the construction of Goświnowice Ethanol Production Plant in Goświnowice, which will process grain (including grinding) into non-denatured ethanol of fuel grade to be used, among other things, as fuel for motor vehicles in the annual amount of 110,000 tonnes.

The plant is to be located on the outskirts of the township of Goświnowice with the following facilities in the immediate vicinity:

- Polskie Koleje Państwowe (Polish State Railroad Company) – from the north-west,
- farming land – from the east and south,
- farming land and pastures from the south-west and, farther, Fabryka Domów (House Construction Facility).

The investment will not influence landscape quality.

Due to the nature of the undertaking, the impact of Goświnowice Ethanol Production Plant will be local only and will not have any cross-border impact.

Any possible extension of the Goświnowice facility in question will not cause any influence on air quality higher than allowable.

The planned undertaking will not cause significant noise nuisance for the environment.

Goświnowice Ethanol Production Plant has been designed so as not to discharge any process sewage to the environment. Distillation residues and process condensate will be returned to the system in order to save water and energy at every production stage. Process water will circulate in a closed system.

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All condensate and used solutions after plant washing and disinfection will be pre-treated and discharged to the municipal sewer system. Water discharged in the steam-generation boiler system and cooling water for the adjustment of the amount of dissolved solid substances will constitute the majority of the sewage stream.

Precipitation water will be pre-treated and discharged to the Nyskie Lake.

The planned project will have an effect on the volume of waste generated in the area in question, including dangerous waste. All waste should be recorded with respect to quantity and quality and its recipients should have permits for disposal. The procedure for handling waste will ensure minimum amount of waste generated and its safe collection and storage.