

TECHNICAL QUESTIONNAIRE FOR BIOGAS PLANT

CONTACT INFORMATION

- a. Company Name:
- b. Contact Name:
- c. Company Address:
- d. Place of plant if different:
- e. E-mail address:
- f. Telephone Number:

PROJECT INFORMATION

1. What types of biomass and/or waste are processed in the digester?

Free Answer (provide CER code is possible)

2. What is the overall plant capacity (ton/year)?

Free answer - CAMPO NUMERICO

3. What are the quantities per major category of biomass and/or waste that are processed in the digester? Free answer (E.G. biomass A, x ton/year, waste B y ton/year, etc

4. What are the storage facilities? (specify the storage systems).

Free Answer

5. Are the incoming biomass and/or waste subject to any pretreatments ? (Eg. Mechanical, thermal, chemical, biological, etc.)

Free answer



i-REXFO started on September 1st, 2017 with the contribution of the LIFE financial instrument of the European Community LIFE16ENV/IT/000547.

Coordinator: Department of Engineering, University of Perugia - Italy.



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6. Which process is your plant following and what is the number of reactors? (Eg. dry, semi-dry, humid etc. two primary and one secondary)

Free answer

7. Please describe the cogeneration unit (engine) in terms of electrical and thermal capacity (kW_{el}, kW_{th}) and performance (electrical and thermal efficiency).

Free answer

8. What is the average methane content (%) of biogas?

Free answer – CAMPO NUMERICO

9. What is the end use of digestate?

- a) Direct agronomic use;
- b) Separation of liquid and solids and agronomic use for both;
- c) Separation of liquid and solids and alternative uses (agronomic, composting, landfilling, etc);
- d) Direct Composting;
- e) Direct Landfilling;
- f) Other (specify)

10. Is the plant equipped with a composting unit? Answer Yes/no

If Yes: **What is the amount of digestate sent to the composting unit (ton/year)?**

Free answer

11. What is the percentage of electricity fed in to the grid?

Free Answer. CAMPO NUMERICO

12. Which type of economic incentive is considered? What is the overall economic value of the energy produced (€/kWh)?

Free Answer



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13. How is it thermal energy used?

Free Answer

14. Are there agrofood companies in the vicinity of the plant that could regularly supply bio wastes? Answer Yes/no

If Yes: **Which bio-wastes and how many (ton/year)?**

Free Answer

15. Would you be interested in processing animal wastes and by-products (or do you do it already)? Answer Yes/no

If Yes: **Are there industries (animal husbandry, slaughterhouses, etc.) that could regularly supply these waste and by-products to the plant? Yes/no**

If Yes: **Which waste and by-products and how many (ton/year)?**

Free Answer.

16. Do you have any plant related-problems with the neighbours (odour, traffic, noise, etc.)?

Free Answer.

17. Does the regulation applicable to your plant allow the treatment of biomass classified as waste (with a CER code)? Answer Yes/no

If Yes: **Please list them and the related regulation. Free Response Question.**

18. In your opinion, are there any constraints and / or barriers that currently prevent the processing of food waste in your plant? Answer: YES / NO

If YES: **What type of barriers are you facing?**

- Economic (specify)
- Technological (specify)
- Regulations (specify)
- Social (specify)
- Other (specify)



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