



LIFE+ VALPORC

Valorization of pig carcasses through their transformation into biofuels and organic fertilizers (LIFE13 ENV/ES/001115)



Name of the Deliverable:	Informe de dimensionamiento básico y layout de la instalación e integración del prototipo de separación de grasas y harinas en la planta de tratamiento de PURAL en Almazán
Number and name of the associated action:	Action A4. Layout básico y planos de implantación del módulo prototipo de tratamiento de cadáveres
Submission date:	30/09/2016
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	LIFE + VALPORC LIFE 13ENV/ES/001115 VALORIZACIÓN DE CADÁVERES DE PORCINO MEDIANTE SU TRANSFORMACIÓN EN BIOCOMBUSTIBLES Y FERTILIZANTES ORGÁNICOS	
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2. Executive summary

This deliverable is an actualization of the preliminary one previously realized and sent to the EU Commission by CORPROAN and entitled “Basic sizing and layout of the carcass treatment installation Report” and which installation would be installed at Ejea de los Caballeros (Zaragoza-Spain).

The new location of the project (Industrial Complex of PURAL S.L., located at Almazan – Soria – Spain), such as it was argued by the consortium in the letter for request for a substantial amendment of the Grant Agreement, supposes an important advantage for the achievement of the initial objectives initially planned. That is mainly because at the aforementioned installation there is already a running plant for the pretreatment of Cat. II SANDACH, for obtaining a render liquid and a biogas plant annexed to treat this derivative (sub-product). This allows putting at the disposal of the project some structures that assure the technical and economic viability of the same.

This plant is processing Category 2 SANDACH material, which is defined at the articles 9 and 10 of the rule (CE) nº 1069/2009 of the European Parliament and of the Board, of October, the 21st of 2009, and in which the sanitary rules with application to animal byproducts and non-human consumption products are established, and for which the rule (CE) nº 1774/2002, was abolished.

Based on that legislation and for its compliance, the installation has the following basic processes:

- Byproducts reception
- Waste crushing
- Pressure Sterilization
- Mixer homogenization
- Treatment of the process vapours
- Clean and disinfection zone

For the realization of VALPORC process is necessary the integration in this intallation of the following basic processes:

- Fats and meals separation
- Fats purification
- Solids separation and recovery
- Products storage (intermediate and final ones)

The objective of the present document is to address the integration of the VALPORC process and the distribution of the several equipment which make up it, into the rendering plant.