



LIFE Project Number
LIFE15 ENV/GR/000257

LIFE PROJECT NAME or Acronym
LIFE-F4F (Food for Feed)



Data

Action:	B2: Developing the F4F Pilot Unit
Partner:	ESDAK
Deliverable:	B2.1 All licenses for the development of the pilot unit

B.2.1.: Acquisition of needed licenses by ESDAK:

The general layout of the F4F pilot unit has been determined. This is in the same land of the bio-drying MSW unit of Municipality of Heraklion. This land has been finally selected due to the direct accessibility from the highway and to the location of the field, as it is almost in the middle of the study area (area with the main hotel units). Moreover, this specific MSW bio-drying unit has plenty of space for the installation of the F4F pilot unit and also has the required infrastructures (for electricity and water supply), as well as a special guarded enclosure. One main reason that this area has finally been selected is that any residue that might occur from the project's production process could be directly disposed into the bio-drying unit. Moreover, this unit has all the required licenses for MSW treatment and for the project's pilot unit construction and operation exemption from licenses that were needed, which would require less time than new licensing approval. Three other areas have been assessed in the project's proposal; however, the optimum area, according to all partners' approval, was this of MSW bio-drying unit. The MSW bio-drying unit treats 75,000tn / yr of MSW and includes the following process steps: 1. Input and weighting of incoming MSW, 2. Uploading and shredding, 3. A 14th day duration of bio-drying, 4. Metals magnetic separation, 5. Compress and bundle of the output MSW and 6. Deodorization and de-dusting of the unit.

All licenses had to be approved/exempt according to the proposal until February, 2017. This procedure finally has been routed at the first days of July, 2017. Exemption from three licenses were finally required for the construction and operation of the F4F pilot unit by Greek authorities, even though the selected area for the construction of the projects' pilot unit had all relevant licenses for waste management procedures. The environmental, the building and the operational licenses' procedures for the approval or exemption are being presented in the following Tables 1, 2 and 3 below. This is a five (5) month delay as all licenses were foreseen to be routed at the end of February and finally, due to Greek authorities delay this procedure concluded at the first days of July, 2017. The main delay occurred to the operational license, due to bureaucracy. More details about licensing procedure are presenting in the following Tables.

Table 1. Building licensing procedure

PROCEDURE REGARDING BUILDING LICENSE AND LAND USES
<ul style="list-style-type: none">• 9-3-2017: The document of ESDAK with the protocol No. 421/9-3-2017 submitted to the Directorate of Urban Planning of Municipality of Heraklion in order to request the building license.• 11-4-2017: The Directorate of Urban Planning of Municipality of Heraklion accepts the request according to their document with protocol No. 27098/11-4-2017.• 15-5-2017: The file of ESDAK with the protocol No. 821/15-5-2017 submitted to the Directorate of Urban Planning of Municipality of Heraklion in order to certify the "land uses" in the area.• 21-6-2017: The Directorate of Urban Planning of Municipality of Heraklion responds to the request according to their document with protocol No. 56294/21-6-2017.• 3-7-2017: The Directorate of Urban Planning of Municipality of Heraklion responds to the request of ESDAK with protocol No. 421/9-3-2017 which exempts the pilot unit from a building license

Table 2. Environmental licensing procedure

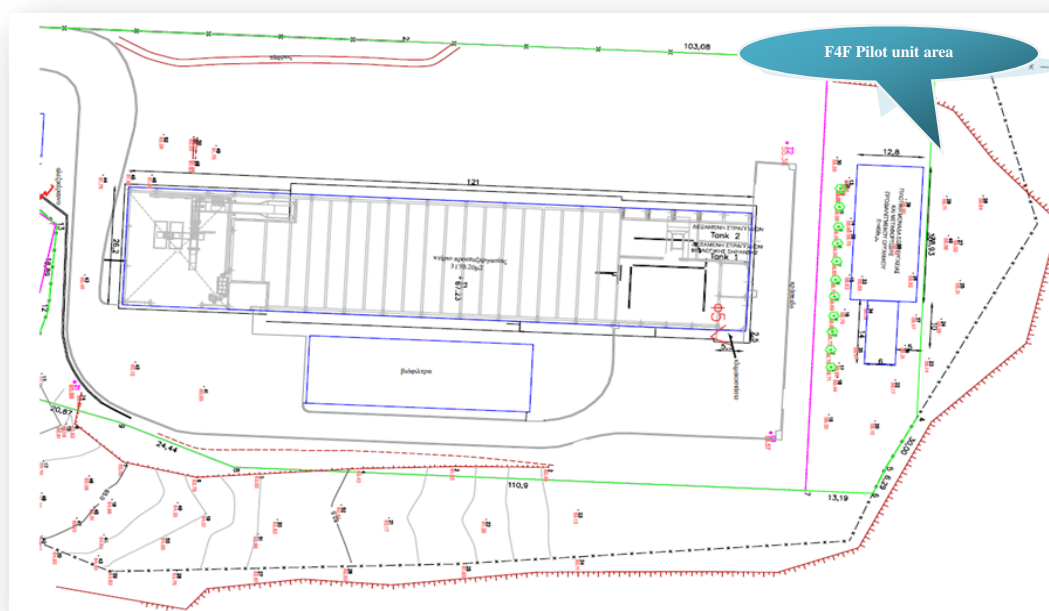
PROCEDURE REGARDING ENVIRONMENTAL LICENSE

- **31-3-2017:** According to the document with the protocol No. 578/31-3-2017, ESDAK submitted a compliance plan regarding the decision with protocol No. 223/8-3-2017 of Approval of Environmental Terms for the existing work “Pretreatment Unit for municipal solid waste” at the place “Mantra” or “Mavros Spilios” of Municipality of Heraklion, Region of Crete, in order to exempt the Pilot Unit from environmental license.
- **11-5-2017:** The Directorate of Environment and Spatial Planning of the Region of Crete accept the request according to the document with the protocol No. 1109/11-5-2017.

Table 3. Operating licensing procedure

PROCEDURE REGARDING OPERATION LICENSE

- **31-3-2017:** According to the document with the protocol No. 579/31-3-2017, ESDAK submitted a technical file of the Pilot Unit to the Directorate of Industry, Energy and Natural Resources of Region of Crete in order to examine the procedure for the acquisition of the operation license
- **11-5-2017:** After communication (telephone and e-mail) and meeting with the responsible authorities in the Office of Vice-Governor for Spatial Planning and Environment of Region of Crete, they requested to fulfill and submit a questionnaire (Annex I of 483/35/Φ.15/17.1.2012 ministerial decision) in order to determine the category and the relevant documents required for the operation license
- **12-5-2017:** According to the document with the protocol No. 810/12-5-2017, ESDAK submitted the questionnaire of Annex I for the Pilot Unit of F4F.
Complementary, by phone they requested the documents for the other licenses (building and Environmental) as well as for land uses
- **12-7-2017:** Answer of Directorate of Industry, Energy and natural Resources with protocol No. 3228/Φ14Γ/12-7-2017. specifying supporting documents for the exemption from the obligation to supply an installation and operating license



Picture 1. Topographical diagram of the F4F pilot unit into the area of MSW bio-drying unit of Heraklion.