TE CONSULTING HOUSE 4 PLUS, S.L.
C/ San Agustín 16, 2ºI. 47003 Valladolid
www.tech4plus.com

FEASIBILITY STUDY – THERMAL HYDROLYSIS

(complete form and send via email to dfpolanco@tech4plus.com)

A. General data

1. Plant name:	
2. Design capacity (m^3/d):	
3. Current operation (m^3/d):	

B. Technical data

4. Number of digesters and volume (m^3):	
5. Digesters mixing/agitation type:	
6. Digestion temperature (ºC):	
7. Hydraulic residence time (days):	
8. Organic loading rate (kg VS/m^3·day):	
9. Volatile solids reduction (% VS):	
10. Polyelectrolyte dosing (kg poly/t DS):	
11. Biosolid production (kg/day):	
12. Biosolid concentration (%DS):	
13. Biosolid disposition (e.g., land application):	
14. Biogas generation (Nm^3/d):	
15. Methane in biogas (% CH_4):	
16. H2S in biogas (% v/v):	
17. Biogas to engines (% of total):	
18. Number of engines and power (kW):	
19. Engines brand and model:	
20. Power generated (kWh/d):	
21. Engines heat use (e.g., digesters heating):	

C. Digesters feed: (DS: Dry Solids, VS: Volatile Solids, d: day)

	kg DS/d	% DS	Kg VS/d	% VS/DS	m3/d	COD
Primary sludge						
WAS						

D. Economic data

22. Power consumption (kWh/d):	
23. Power consumption (kWh/m^3 influent):	
24. Power price (€/kWh):	
25. Sludge management price (incl. transp.) (€/ton):	
26. Potential EPA Class A biosolid price (€/ton):	