

Item	Title	dimension	MSW	sewage-sludge	total I	corn straw
1.	available quantity original input substance (OS)	t/a	40.000	19.000	59.000	16.000
2.	Dry substance content (DS)	kg/t OS	350	200	302	850
3.	available TS	t/a	14.000	3.800	17.800	13.600
4.	water coming together with DS	t/a	26.000	15.200	41.200	2.400
5.	organic DS	% DS	75	60	72	95
6.	available biogen-organic fraction	t/a	10.500	2.280	12.780	12.920
7.	carried in (-) or missing (+) Proceswater/Biofiltrate	m³/a	53.333	6.333	59.667	74.667
8.	TS in recirculated biofiltrate	t/a	4.373	519	4.893	4.779
9.	average gasyield from WABIO fermentation	m³/kg oTS	0,60	0,65	0,609	0,60
10.	available biogasvolume	m³/a	6.300.000	1.482.000	7.782.000	7.752.000
11.	average retention time in fermenter	d	40	32	38	51
12.	proportionate necessary WABIO fermenter volume	m³	10.274	2.231	12.505	12.642
13.	average CH4 content of biogas	%	65	65	65	65
14.	Gasquantity of WABIO fermentation process	t/a	7.686	1.808	9.494	9.457
15.	water contained in biogas carried out	t/a	4.112	967	5.079	5.060
16.	calorific value of the produced biogas	kWh/a	40.950.000	9.633.000	50.583.000	50.388.000
17.	fermentation residue from WABIO fermentation	t/a	85.647	23.525	109.173	81.209
18.	Filtercake from separation of fermentation residue (30 % DS)	t/a	33.408	7.852	41.259	30.675
19.	water in NPKS fertilizer carried out	t/a	23.385	5.496	28.882	21.473
20.	Biofiltrate for suspension station	t/a	52.240	15.673	67.913	50.534
21.	TS in biofiltrate	t/a	4.777	1.123	5.900	4.778
22.	NPKS-compost from Filtercake (70 % DS)	t/a	14.318	3.365	17.683	-
23.	Straffalic deposition from NPKS-compost (5,0 % DS)	t/a	700	190	890	-
24.	NPKS-compost from Filtercake (70 % DS) for sales	t/a	13.618	3.175	16.793	-