



Stream number	12	13	14	15	16	17	18	19	20	21	22	23
Stream Name	liquor recycle	dosing	oxygen	air	mixed feed	biogas recycle	main biogas	combined biogas	digestate	biogas recycle	return water	hot water
Commodity	liquid	liquid	gas	gas	liquid	biogas	biogas	biogas	liquid	biogas	water	water
pH	7	5 to 9	NA	NA	6	NA	NA	NA	7	NA	7	7
Frequency of removal/supply	per day	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Normal flow rate	(m3/hr)	0	0	0.5	10	4.9	100	106	151	6.3	600	3.9
Design Flow Rate	(m3/hr)	2	1	1	30	7.3	120	138	197	10.6	650	10
Density	(kg/m3)	1000	1000	1.31	1.19	1000	1.11	1.11	1000	1.11	1000	1000
Pressure	(kPag)	<300	<300	1	1	<300	100	1	<300	100	<300	<300
Temperature	(deg C)	35	30	20	20	23	50	35	40	80	55	72
Total Solids	(TS%)	3%	<5%	NA	NA	15%	NA	NA	7.9%	NA	0	0
Volatile Solids	(VS%)	77%	NA	NA	NA	89%	NA	NA	77%	NA	0	0

Copyright Reserved:
The design and/or content of this document is the property of ENERGIADROP Pty Ltd and/or its subsidiaries. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without prior written permission from ENERGIADROP Pty Ltd. The design and/or content of this document is the property of ENERGIADROP Pty Ltd and/or its subsidiaries. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without prior written permission from ENERGIADROP Pty Ltd.



Rev	Review	By	Check	App.	Date	Issued for
9	Remove degitting to optional	DB			2019/05/27	REVIEW
10	Numbering update	DB			2019/06/01	COMMENT
11	Add pump	DB			2019/06/10	

Process Flow Diagram: Biogas Production			
Drawing number:	ED-002_ENG_DWG_PFD_001	Compiled:	Darius Boshoff
Page:	2 of 7	Rev	12