ALTERNATIVE A5

2031 option	2 Sludge produced by SEWPCC Sludge produced by WEWPCC Sludge produced by NEWPCC	<mark>178,479 m3/y</mark> 83,290 m3/y 232,648 m3/y	7,355 DryT/y 3,332 DryT/y 9,306 DryT/y	@ 4.12 % concentration Sludge productio	on increase	1	
	TOTAL for treatment	494,417 m3/y	19,992 DryT/y	169,417 m3/y	52%		
	TOTAL for disposal	79,968 m3/y	19,992 DryT/y				
	Increase in CAPEX and OPEX						
	OBEX for cludge treatment in NEW/BCC	2 60 M CAD/4					
	Hauling SEWPCC sludges to NEWPCC	2.00 M CAD/y	(50% proportional to the volume increase and 50% proportio	Data from Stantoc's PDR (2	2008)		
	Hauling WEWPCC sludges to NEWPCC	0.24 M CAD/y		Baw price	10.43 MCAD) For 27.57 DrvT/d in 2031	
	Disposal transportation NE to landfill	0.35 M CAD/y		Quantity ratio	0.73	Based on Dry solids guantities	
	Landfill tipping fees	0.25 M CAD/y		Reduction ratio	0.96	for consistency with respect to the estimation allowance used	
	TOTAL OPEX (all sludges)	4.21 M CAD/y	Among which 1.93 M CAD/y for SEWPCC	Inflation	1.04		
	CAPEX	7.6 M CAD					
	NPV 30 years	33.91 M CAD					
0004 anti-	1 Olympic and the OFWDOO	270 072 2 /	0.000 Dr. Th				
2031 option	4 Sludge produced by SEWPCC	2/8,9/3 m3/y	8,908 Dry1/y	@ 3.19 % concentration			
	Sludge produced by WEWPCC	232 648 m3/v	9 306 DryT/y	Sludge productio	on increase	7	
	TOTAL for treatment	594.910 m3/v	21.545 DrvT/v	269.910 m3/v	83%		
	TOTAL for disposal	96 191 m3/v	31 FAE D= 17/1			-	
		00,101 m3/ y	21,545 Dry1/y				
	Increase in CAPEX and OPEX						
	OPEX for sludge treatment in NEWPCC	2.96 M CAD/y	(50% proportional to the volume increase and 50% proportional to dry solids increase)				
	Hauling SEWPCC sludges to NEWPCC	1.21 M CAD/y					
	Hauling WEWPCC sludges to NEWPCC	0.24 M CAD/y					
	Disposal transportation NE to landfill	0.37 M CAD/y					
	Landfill tipping fees	0.25 M CAD/y	Annen and tak 2.00 M CAD / San SELADOO				
	I OTAL OPEX (all sludges)	5.04 IVI CAD/y	Among which 2.89 W CAD/y for SEWPCC	EO% of CAREX is assessed	to be volume propert	tional and E0% to be dry calid quantity proportional	
	CAPEA NDV 20 years	10.54 M CAD		50% OF CAPEX IS assessed	to be volume proport	tional and 50 % to be dry solid quantity proportional	
		HJILL IVI CAD					