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1. COMPANY	2. DRYER TYPE	3. PRODUCT DRIED	4. PRODUCT INTO THE DRYER	5. ENTERING % MOISTURE	6. LEAVING % MOISTURE	7. DRYER EVAPORATION RATE	8. PRODUCT LEAVING THE DRYER	9. FUEL CONSUMPTION & COST DATA	10. ELECTRICITY CONSUMPTION & COST DATA	11. COMBINED ENERGY CONSUMPTION	12. EQUIPMENT COST DATA	13. TEMPERATURES	14. AVE. INLET AIR	15. TOTAL HP
		WET TON (18.750 lb wet)	WET TON (18.750 lb wet)	55%	10%	9375 lb water/hour	WET TON (18.750 lb wet)	NATURAL GAS	NATURAL GAS	BTU OF FUEL + ELECT	EQUIPMENT COST	77°F	AVE. INLET AIR	
		DRY TON (8437.50 lb)	DRY TON (8437.50 lb)				DRY TON (8437.50 lb)	BTU OF FUEL + ELECT	BTU OF FUEL + ELECT	BTU OF FUEL + ELECT	NOT INCLUDED	950°F	AVE. INLET AIR	
												210°F	AVE. INLET AIR	
Flash Dryer - Model 36 PAPERMILL SLUDGE	Flash Dryer PAPERMILL SLUDGE	225 WET TON (18,750 lb wet) 101.25 DRY TON (8,437.50 lb)	225 WET TON (18,750 lb wet) 101.25 DRY TON (8,437.50 lb)	55%	10%	9375 lb water/hour	225 WET TON (18,750 lb wet) 101.25 DRY TON (8,437.50 lb)	112.50 WET TON (9375 lb wet) 101.25 DRY TON (8437.50 lb)	17,510.24 BTU/HOUR 1899.78 BTU 1903.28 lb water/evap 180.45 /hour 42.77 / B.D. TON	19,038.93 BTU/HOUR 2089.75 lb water/evap 199.30 /hour 47.24 / B.D. TON	1950.000 DRYER / PRODUCT FAN PRESSURE AIR FLOWING THROUGH DRYER CYCLONE / FINEST SLUDGE REVERSE AIR FLOW THROUGH	70°F 800°F 820°F	993.90 lb air FRESH AIR FLOW 15,844.46 lb/hr 0.8712 lb air / lb wet 2.465 HP	234 HP
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Paper Mill Sludge Dryers - Page 2

1. COMPANY	2. DRYER TYPE	3. PRODUCT DRIED	4. PRODUCT INTO DRYER (WET TON DAY)	5. ENTERING % MOISTURE	6. LEAVING % MOISTURE	7. DRYER EVAPORATION RATE	8. PRODUCT LEAVING THE DRYER (WET TON DAY)	9. FUEL CONSUMPTION & COST DATA	10. ELECTRICITY CONSUMPTION & COST DATA	11. COMBINED ENERGY CONSUMPTION & COST/HOUR	12. EQUIPMENT COST DATA	13. TEMPERATURES	14. AIR INTAKE
	CYCLONIC DRYER PAPER MILL SLUDGE	PAPER MILL SLUDGE	WET TON DAY (12,982.77 lb WET) 155.77 B.D. TON DAY (8437.50 lb DRY) 101.25	35% 10%	3605.77 lb WATER/HOUR	WET TON DAY (9375 lb WET) 19.50 B.D. TON DAY (8437.50 lb DRY) 101.25	WET TON DAY (9375 lb WET) 19.50 B.D. TON DAY (8437.50 lb DRY) 101.25	NOTE - - - 1466.32 kWh/HOUR 1387.60 BTU ELECTRICITY + 77.46 kWh/HOUR (118.37 B.D. TON) 5,003,362.44 BTU/HOUR 1387.60 lb WATER EVAP 177.46 kWh/HOUR 118.36 G.P.A. TON 13,000,000 INSTALLED	NOTE - - - 79.0 kWh/HOUR 23.96 BTU ELECTRICITY + 4.17/HOUR 361,653 BTU ELECTRICITY/HOUR 23.96 BTU ELECTRICITY + 4.17/HOUR 10,9884 / B.D. TON 1765,600 SCREW PRESS FIBER HOPPER THROUGH ELECTRICITY AND TRAINING	1765,600 10,9884 / B.D. TON 1765,600 10,9884 / B.D. TON	70°F LEAVING, AVERAGE AIR FLOW 123.55°F	249,420.71 15.0% DRY AIR 19.21 15.0% DRY AIR 2178 HP 86,400 15.0% DRY AIR	
	GRAVITY TRAY FLUIDIZED BED DRYER PAPER MILL SLUDGE	PAPER MILL SLUDGE	WET TON DAY (23,909.17 lb WET) 285.71 B.D. TON DAY (9524.17 lb DRY) 114.29	60% 0% ?	14,285.71 lb WATER/HOUR	WET TON DAY (23,909.17 lb WET) 285.71 B.D. TON DAY (9524.17 lb DRY) 114.29	WET TON DAY (23,909.17 lb WET) 285.71 B.D. TON DAY (9524.17 lb DRY) 114.29	NOTE - - - NATURAL GAS 43,224,619.05 BTU 3025.72 lb WATER EVAP 1432.25/HOUR ENTIRE PLANT EFFICIENCY 9,147.20 kWh/HOUR 4088.95 kWh/HOUR 260.10 lb WATER EVAP + 575.3/HOUR 46,149,323.35 BTU/HOUR 3285.82 lb WATER EVAP + 489.73/HOUR 102,885 / B.D. TON	46,149,323.35 BTU/HOUR 3285.82 lb WATER EVAP + 489.73/HOUR 102,885 / B.D. TON	125 HP 168.05 / lb WATER EVAP/HOUR	125 HP 168.05 / lb WATER EVAP/HOUR		