

























	Unit	First Period 1993-1982	Second Period 2001-1994	Third Period 2004-2001
G. Phos. Passing Tyler # 100	%	100	85 – 75	85 – 75
S R V	m ³ /mtpd P ₂ O ₅	1	1.34	1.34
S D V	m ³ /mtpd P ₂ O ₅	No	0.64	0.68
S F C]Filer area 205 & 208 m².[mtpd P ₂ O ₅ /m ²)Using 73-75% BPL()Using-68-70% BPL()Using 67-65 & 65 % BPL(
		4.6	6.3	5.5
Holding Time	min	170-160	330	230
Scales build up		v. high	No	high
Filter cloth spin time	day	12	25 <	17
Filter acid	%	26 >	28 <	26.5
Limitation Production		Yes	No	Yes
PA slurry condition		High super saturation	De super saturation	Super saturation
Slurry temperature before filtration		High constant temperature	low temperature	High constant temperature
Bottlenecks		Digesters + reaction section	No	Digesters
Production	Ton *10 ³	303	375 <	345
Efficiencies Washing Reaction	%	98.0 95.61	98.93 96.35	98.17 96.19
Yield	%	93.70	95.31	94.43





















Agitators



Compartment-A is equipped with
Prayon Lightnin Reactor AgitatorCompartment-B is equipped with
Robin patented of axial flow
propellers type agitator

impeller



- Rotation speed has decreased to 38 rpm,

- Diameter of blades has increased to 10%,
- Agitation power reduced from 90 to 72 Kw





The period of the	ne second trial wa	s about one month	
Average results	of efficiencies:		
Washing	98.4	97.03 - 99.38 %	
Reaction	96.45	96.10 - 96.77%	
Overall plant	95.00.%		
Max filter acid	was 28.40		
In spite of the	somewhat lower P	205,	
In general, Jore	dan Phosphates s	till remain	
One of the wor	ld's easier rocks t	o process WPA production,	



