APPENDIX P -

EXTRACT FROM DEAT 'GUIDELINES FOR SCHEDULED PROCESSES' (1994)

	EXTRAC	T FROM DI	EAT `GUID	ELINES FOR SCHEDULED PROCESSES' (1994)	
PROCESS 29: POWER GENERATION PROCESSES					
	Power ge	Power generation processes: That is to say, processes in which-			
	for purposes of public transport;(b) boilers capable of burning fuel at a rate			generation of electricity for distribution to the public or transport;	
				rning fuel at a rate of not less than 10 tons per hour are for the supply or energy for purposes other than those ve;	
	(c) a fuel burning appliance is used that is not controlled in terms of Part I this Act, excluding appliances in private dwellings.				
(a)	Basic Inf	Basic Information			
	(i) (ii) (iii)	Low sulphur content of coal is detrimental to efficacy of electrofilter units. 1 Ton/h coal produces 10 t/h steam = \pm 22 GJ/h. Standard cubic metre (Sm ³ means at 101,3 KPa and 0°C.			
(b)	Guidelines				
	II	<u>PF plants:</u>			
		(i)	Existing p	lants: fly-ash emission limits:	
			discretion of control officer - gas conditioning if possible in which case the guidelines are as follows:		
			(1)	3-field electrofilter : 270 mg/Sm ³ (actual m ³)	
			(2)	2-field electrofilter : 320 mg/Sm ³ (actual m ³)	
		(ii)	New Plants:		
			(1)	not more than 100 mg/Sm ³ fly-ash.	
			(2)	"Low NOx" burners must be used.	
			(3)	All new plants to be fitted with opacity monitors - aim at 30% opacity - optical monitor must be fitted with time integrator having six minute intervals. Electrofilters to be fitted with secondary ammeters and voltmeters.	
			(4)	At least 70% of sulphur in the coal must be removed or captured.	