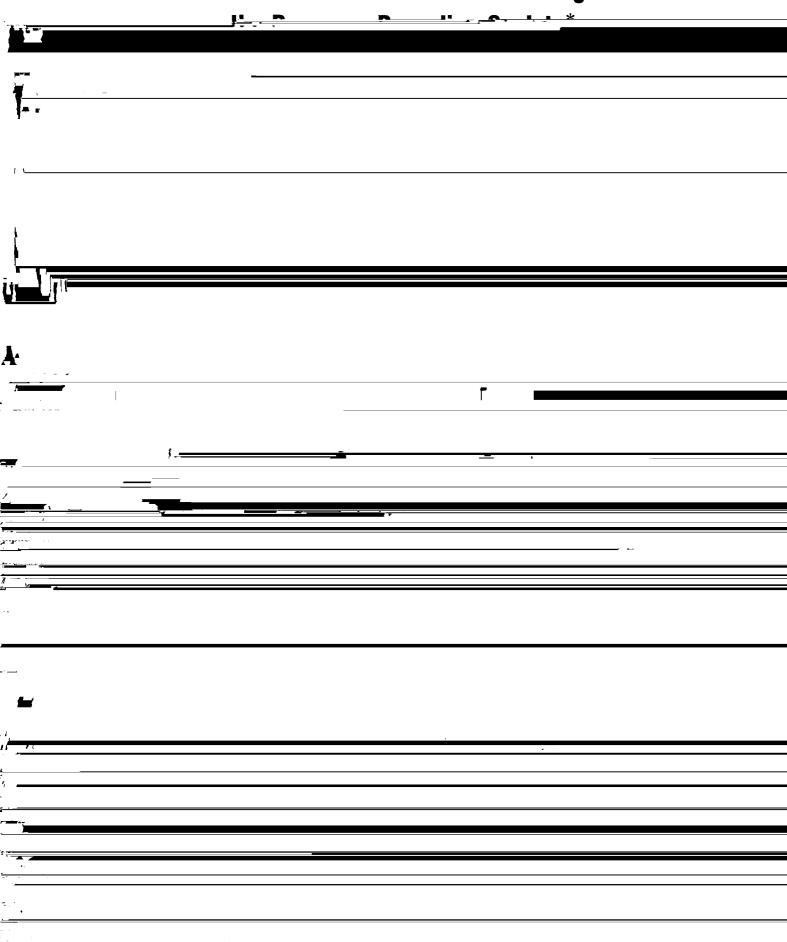
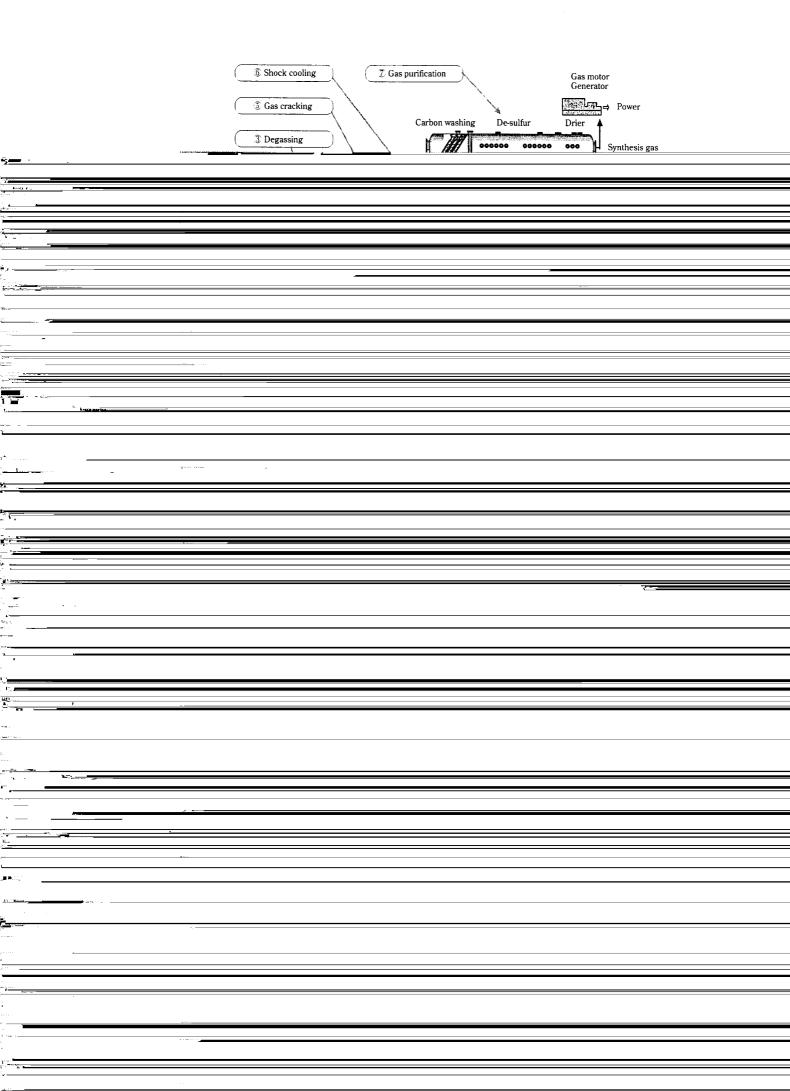
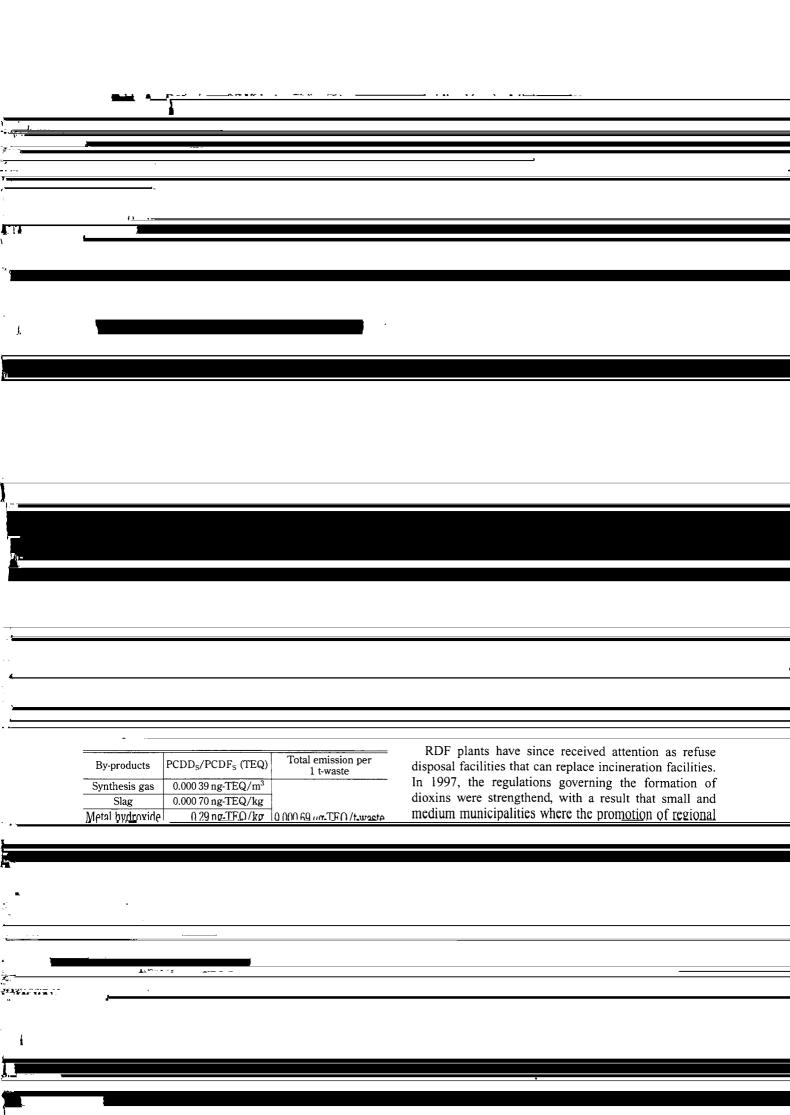
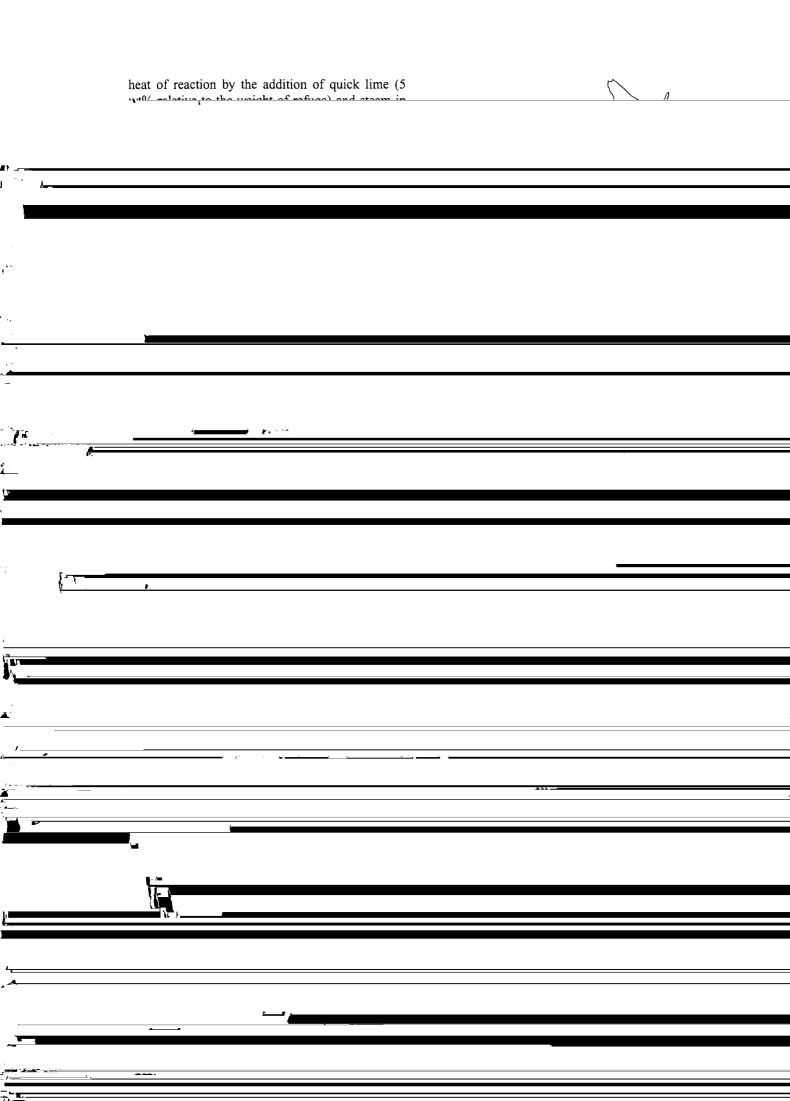
Environmental Business Contributing to



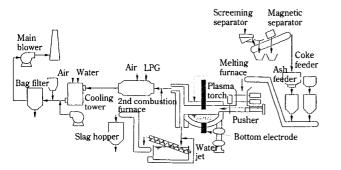


1 Zero emissions 2 Efficient utilization of by-products Kawasaki Steel Thermoselect Process Municipal waste Industrial wasta





Progress of research and development Labo plant Pilot plant Actual plant (Naganuma) (Kitayatu) (Kitayatu) 1988 R&D of plasma system using air (1) Life extension for rear electrodes (2) No_x reduction to the environmental regulation from air plasma



ing process

(2) The formation of a high-temperature atmosphere

also vigorously investigated the individual melting of the fly ash from stoker incinerators that contains large amount of toxic substances such as dioxins and has high melting temperatures due to the lime derived from the exhaust gas treatment of incineration facilities. As a result, in 1998 the plasma melting process was adopted as Japan's first process for individual melting of fly ash from stoker incinerators in the soot and dust melting equipment of the Kyoto City Northeastern Waste Incineration Plant (tentative name). The company is pursuing research and development to resolve concerns about the

while incorporating the obtained knowledge in the

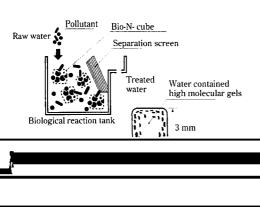
2.3.3 Future prospects

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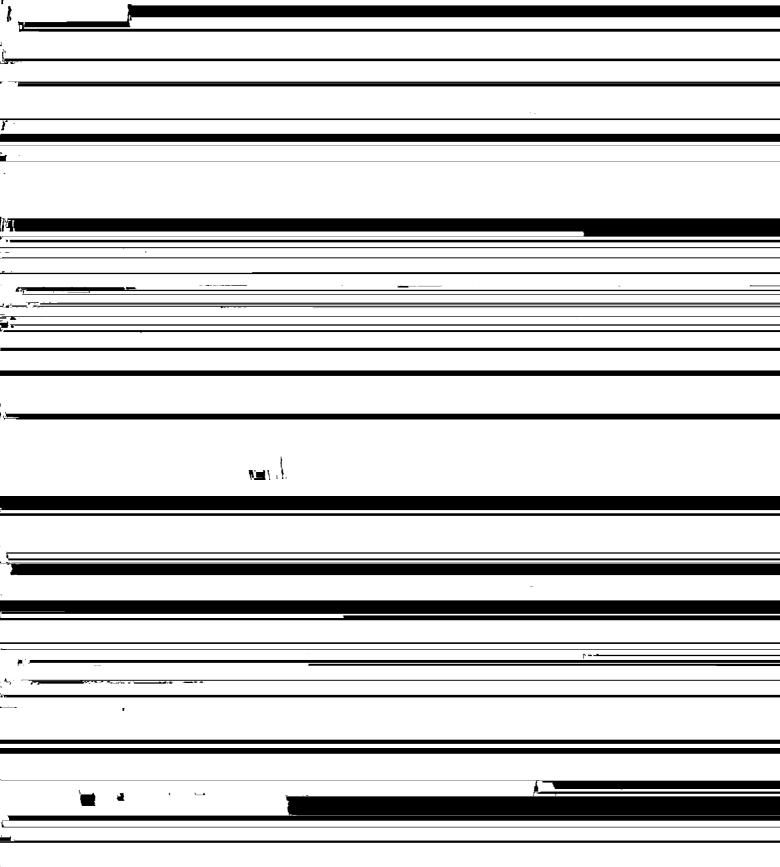
design.

Table 5 Description of various water treatment facilities General description, market status

		14010 0	Description of various water treatment		
	Classification	Client/Authority	General description, market status	Sales of Kawasaki Steel	
	Rural area sewage treatment plant	Ministry of Agriculture	Smaller size of sewage treatment plant for rural area Magethy less than a capacity of 1,000 m ³ /d	Applied process is mainly contact aeration method or batch process	
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ment tank is unnecessary and the biological treatment tank itself can hold bacteria at high concentrations. Therefore, only 60–70% of the equipment needed with the conventional method is required for the new method. Furthermore, because various types of bacteria can be held at high concentrations, various pollutants can be decomposed, and the treated water passing through 0.1



	hasis of the technologies developed at steel works. Fire	A) Minister of Worlth and Walfame "Vouce V-1-1-1-
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	thermore, the company considers it important to provide services to surrounding districts by making full use of	ni kakawaru Mokuhyou Kijun," Seieihatu Dai 508 gou, 1998 March, 26th
	the infrastructure and equinment of steel works. As a	10) Japan Waste Manegament Association: "Gomisyori ni
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