

5.0 THE DATA PROCESSING SYSTEM

Digicon's installation in Brisbane is based on two Digital Equipment Corporation's VAX 8650's and one 11/780 computer. A brief description of the computers and peripheral devices is as follows :-

Main processing system	VAX 1	VAX 2
1) Computer system	: 8650	8650
	: 32 bit central processing unit with total of 32 remote input/output terminals allowing multi-user, multi-functional interactive capability.	
capacity (virtual memory)	: 32 MB	32 MB
operating system	: DISCO	DISCO
2) Array processors (FPS 100)	: 4 units	4 units
Array processors (NMX 432) (High performance floating point array processor)	: 1 unit	1 unit
3) Disk storage system	: 3 units	3 units
capacity (each unit)	: 1.2 GB	1.23 GB
4) Magnetic tape drives	: 15 units	14 units
density	: 800 bpi, 1600 bpi and 6250 bpi	
5) Line printer	: 1 unit	1 unit
6) Display system	: BENSON/VERSATEC Electrostatic plotters. (Resolution: 200 dots/inch) 2 units 36" plotter 1 unit 22" plotter	

