

Thermal capacity - Hayes Data Centre Emergency Back-up Generation Facility

Covered under existing permit DP3442QV

Ref	Emission Source Description	New / existing MCP	Manufacturer	Gen set model	Engine Model	output rating (kVA)	Output rating (kW _e)	Max fuel (l/hr)	Thermal capacity (MW _{th})	Cumulative thermal capacity
EP1	EC1 Generator 1	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	8.01
EP2	EC1 Generator 2	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	16.02
EP3	EC1 Generator 3	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	24.03
EP4	EC1 Generator 4	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	32.04
EP5	EC1 Generator 5	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	40.04
EP6	EC1 Generator 6	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	48.05
EP7	EC1 Generator 7	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	56.06
EP8	EC1 Generator 8	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	64.07
EP9	EC1 Generator 9	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	72.08
EP10	EC1 Generator 10	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3200	818	8.01	80.09
EP11	EC1 Generator 11	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3200	818	8.01	88.10
EP12	EC1 Generator 12	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3200	818	8.01	96.11
EP13	EC1 Generator 13	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3200	818	8.01	104.12
EP14	EC1 Generator 14	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3200	818	8.01	112.12

To be added to permit as part of permit variation

EP15	EC2 Generator 1	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	120.13
EP16	EC2 Generator 2	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	128.14
EP17	EC2 Generator 3	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	136.15
EP18	EC2 Generator 4	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	144.16
EP19	EC2 Generator 5	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	152.17
EP20	EC2 Generator 6	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	160.18
EP21	EC2 Generator 7	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	168.19
EP22	EC2 Generator 8	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	176.20
EP23	EC2 Generator 9	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	184.20
EP24	EC2 Generator 10	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	192.21
EP25	EC2 Generator 11	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	200.22
EP26	EC2 Generator 12	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	208.23
EP27	EC2 Generator 13	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	216.24
EP28	EC2 Generator 14	New	RollsRoyce	DS4000	MTU 20V4000G94LF	4000	3,200	818	8.01	224.25

Total NET input Thermal capacity (MW_{th})

224.25