

M25 junction 10/A3 Wisley interchange TR010030

6.5 Environmental Statement: Appendix 15.1 Construction plant list

Regulation 5(2)(a) and EIA Regs
Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009



Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (as amended)

M25 junction 10/A3 Wisley interchange

The M25 junction 10/A3 Wisley interchange Development Consent Order 202[x]

6.5 ENVIRONMENTAL STATEMENT: APPENDIX 15.1 CONSTRUCTION PLANT LIST

Regulation Number:	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	TR010030
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Appendix 15.1: Construction Plant List

15.1 Construction Plant List

15.1 Construction Plant List

Location	Activity	Plant	Fuel	Number	Duration (days)	Hrs in use during working day
M25 Junction 10 Interchange						
M25 J10 Temporary and Permanent Slip Road Construction, Elongated Roundabout, Clearmount Overbridge Roadworks, Wisley Interchange NMU	Site Clearance (2 gangs)	30t tracked excavator with tree shear	Diesel	2	65	8.5
		Chipping machine	Diesel	2	65	8.5
		Stump grinder	Diesel	2	65	6.0
		Chain saw	Petrol	4	65	6.0
	Boundary fencing (2 gangs)	Tracked post knocker	Diesel	2	40	6.0
		3t mini tracked excavator	Diesel	2	40	8.5
	Earthworks (2 gangs)	30T Tracked excavator	Diesel	4	488	9.5
		Tracked dozer D6	Diesel	2	488	9.5
		40T dump truck	Diesel	4	488	9.5
		8 wheeled tipper wagon	Diesel	35	488	9.5
		16t roller	Diesel	4	488	9.5
	Drainage (2 gangs)	25t tracked excavator	Diesel	4	233	8.5
		Trench roller	Diesel	2	233	3.0
		6t dumper	Diesel	4	233	6.0
		Diaphragm pump	Petrol	2	233	8.5
	Narrow filter drains (2 gangs)	Trenching machine	Diesel	2	20	8.5
		7T tracked excavator	Diesel	2	20	8.5
	Subbase (2 gangs)	20 tracked excavator	Diesel	2	121	10.0
		Motor grader	Diesel	2	121	10.0
		D6 Dozer	Diesel	2	121	10.0
		CB2.9 (1.3m) tandem vibrating roller	Diesel	2	121	10.0
	Kerbs (2 gangs)	8 wheeled tipper	Diesel	8	121	10.0
		Telehandler and mechanical kerb lifter	Diesel	2	20	8.5
		Asphalt paver	Diesel	2	136	8.5
		JCB 2CX (or similar) with breaker	Diesel	2	136	8.5
	Road Surfacing (2 gangs)	Cat CB-434D (or similar) vibratory roller	Diesel	2	136	8.5
		8 wheeled tipper	Diesel	10	136	8.5
		20t tracked excavator	Diesel	2	20	8.5
		lorry mounted crane	Diesel	2	10	2.0
	Lighting ducts/columns (2 gangs)	5t mini digger	Diesel	2	20	8.5
		7t dumper	Diesel	4	20	6.0
		Trench compactor	Diesel	2	50	4.0
		MEWP	Diesel	2	20	4.0
		Trailer mounted cable drum winch	Diesel	2	20	8.5
		Tracked post knocker	Diesel	2	66	6.0
	Vehicle restraint systems (2 gangs)	3t mini tracked excavator	Diesel	2	66	8.5
		Impact wrench	Petrol	2	66	3.0
		Petrol generator (2.2 kva)	Petrol	2	66	3.0
		Lorry mounted crane	Diesel	2	66	2.0
		20t tracked excavator	Diesel	1	70	8.5
		6t dump truck	Diesel	2	70	8.5
Clearmount Overbridge	Foundation excavation, piling, In-situ concrete,	8 wheeled tipper	Diesel	2	70	8.5
		Telehandler	Diesel	1	70	8.0
		LB 28 rotary piling rig (or similar)	Diesel	1	70	8.0
		50t mobile crane	Diesel	1	70	5.0
		36 m concrete pump (only required on pour days)	Diesel	1	20	8.0
		Concrete Mixer Trucks (only required on pour days)	Diesel	4	20	8.0
		120 roller	Diesel	2	70	6.0
		Rammax ARR 1575 (or similar)	Diesel	1	70	6.0
		Petrol generator (2.2 kva)	Petrol	3	70	8.5
		Forward/Reverse plate compactor	Diesel	1	70	4.0
		2" submersible pump	Diesel	2	70	24.0
		Poker vibrators	Petrol	4	70	2.0
		Cut off saw	Petrol	1	70	2.0
	Beam fabrication and lifting	500t mobile crane	Diesel	1	40	8.5
		Low loader	Diesel	1	40	8.5
		Telehandler	Diesel	1	40	6.0
		MEWP	Diesel	1	40	6.0
		Diesel Welding Generator	Diesel	2	40	8.5
		20t tracked excavator	Diesel	2	195	8.5
M25 J10 East & West Overbridge Structures	Foundation excavation, piling, In-situ concrete,	6t dump truck	Diesel	4	195	8.5
		8 wheeled tipper	Diesel	2	195	8.5
		telehandler	Diesel	1	195	8.0
		BG28 rotary piling rig (or similar)	Diesel	1	195	8.0
		60T crawler crane	Diesel	1	195	5.0
		50t mobile crane	Diesel	2	195	5.0
		36 m concrete pump (only required on pour days)	Diesel	1	60	8.0
		Concrete Mixer Trucks (only required on pour days)	Diesel	4	60	8.0
		120 roller	Diesel	2	195	6.0
		Hamm 3412 roller (or similar)	Diesel	1	195	6.0
		Rammax ARR 1575 (or similar)	Diesel	1	195	6.0
		Petrol generator (2.2 kva)	Petrol	3	195	8.0
		Forward/Reverse plate compactor	Diesel	1	195	3.0
		2" submersible pump	Petrol	2	195	24.0
		Poker vibrators	Petrol	4	195	2.0
		Cut off saw	Petrol	1	195	2.0
		Beam screed for deck pour	Petrol	1	10	3.0
	Beam fabrication and lifting	Lienheer LR1600 (or similar crawler crane)	Diesel	1	220	8.0
		Low loader	Diesel	1	220	8.0
		Telehandler	Diesel	1	220	8.0
		MEWP	Diesel	1	220	8.0

		Generator	Petrol	2	220	8.0		
		100t mobile crane	Diesel	1	220	8.0		
M25 J10 Existing East & West Overbridge Structures, A3 Structures	Bridge demolition	70t demolition excavator with heavy breaker	Diesel	4	30	24.0		
		40t demolition tracked excavator with breaker	Diesel	12	30	24.0		
		30t dump truck	Diesel	12	30	24.0		
		30t excavator with grab attachment	Diesel	4	30	24.0		
		Skid steer loading shovel	Diesel	4	30	24.0		
		Cat 962 (or similar) Wheeled Loading shovel	Diesel	2	30	12.0		
		Beam sweepers	Diesel	4	30	12.0		
		Misting spray cannon (for dust control)	Diesel	4	30	24.0		
				MEWP	Diesel	2	10	8.0
M25 J10 Wisley NMU bridge	Gantry demolition	250T mobile crane	Diesel	1	10	8.0		
		25t Excavator with breaker	Diesel	1	10	8.0		
		Tipper wagon	Diesel	2	10	8.0		
		20t tracked excavator	Diesel	1	125	8.5		
	Foundation excavation, piling, In-situ concrete, beam lifting	Tipper wagon	Diesel	4	125	8.5		
		Telehandler	Diesel	1	125	6.0		
		LB 28 rotary piling rig (or similar)	Diesel	1	125	8.0		
		50t mobile crane	Diesel	1	125	5.0		
		36 m concrete pump (only required on pour days)	Diesel	1	20	8.0		
		Concrete Mixer Trucks (only required on pour days)	Diesel	4	20	8.0		
		120 roller	Diesel	2	125	4.0		
		Rammax ARR 1575 (or similar)	Diesel	1	125	4.0		
		Petrol generator (2.2 kva)	Petrol	2	125	8.5		
		Forward/Reverse plate compactor	Diesel	1	125	3.0		
		2" submersible pump	Diesel	2	125	8.5		
		Poker vibrators	Petrol	4	125	6.0		
		Cut off saw	Petrol	1	125	3.0		
		500t mobile crane	Diesel	1	125	8.0		
		M25 clockwise and anticlockwise carriageways	Gantry Construction: Foundations	Lorry mounted piling rig	Diesel	1	20	8.5
				20t tracked excavator	Diesel	1	20	8.5
tipper wagon	Diesel			2	20	8.5		
Rammax ARR 1575 (or similar)	Diesel			1	20	3.0		
Petrol generator (2.2 kva)	Petrol			1	20	8.5		
Forward/Reverse plate compactor	Diesel			1	20	3.0		
2" submersible pump	Diesel			1	20	8.5		
Poker vibrators	Petrol			2	20	3.0		
Cut off saw	Petrol			1	20	3.0		
Gantry Construction: Superstructure	250t mobile crane			Diesel	1	10	8.0	
	MEWP		Diesel	2	10	8.0		
Retaining walls	Crib Walls:							
	25t excavator		Diesel	1	56	8.5		
	6t dump truck		Diesel	1	56	8.5		
	Road wagon		Diesel	2	56	8.5		
	MEWP		Diesel	1	56	8.5		
	Roller		Diesel	1	56	6.0		
	Concrete Mixer Trucks (concrete footing)		Diesel	2	56	8.5		
	Precast Concrete Cantiliver:							
	25t excavator		Diesel	1	57	8.5		
	Road wagon		Diesel	2	57	8.5		
	25t city crane		Diesel	1	57	8.5		
	MEWP		Diesel	1	57	8.5		
	Roller		Diesel	1	57	6.0		
	Concrete Mixer Trucks (concrete footing)		Diesel	2	57	8.5		
	A3 - Ockham to Painshill & A245							
			Site Clearance (2 gangs)	30t tracked excavator with tree shear	Diesel	2	45	8.5
Chipping machine				Diesel	2	45	8.5	
Stump grinder		Diesel		2	45	6.0		
Chain saw		Petrol		4	45	6.0		
Boundary fencing (2 gangs)		Tracked post knocker	Diesel	2	20	6.0		
		3t mini tracked excavator	Diesel	2	20	8.5		
GAS Diversion		New Gas Line (2 gangs):						
		25t tracked excavator	Diesel	4	25	8.5		
		Trench roller	Diesel	2	25	3.0		
		6t dumper	Diesel	2	25	6.0		
		Road wagon	Diesel	2	25	2.0		
		Lorry mounted crane	Diesel	2	25	2.0		
		Diaphragm pump	Petrol	2	25	8.5		
		A3 Crossing:						
		Pipe Jacking Machine	Diesel	1	25	8.5		
		25t excavator	Diesel	2	25	8.5		
		6t dump truck	Diesel	2	25	8.5		
		Road wagon	Diesel	2	25	8.5		
		TM22 piling rig or similar (cofferdam)	Diesel	2	25	8.5		
		50t mobile crane	Diesel	1	25	8.0		
		36 m concrete pump (only required on pour days)	Diesel	1	10	6.0		
		Concrete Mixer Trucks (only required on pour days)	Diesel	4	10	6.0		
		Sump and pump	Petrol	2	25	24.0		
		Roller	Diesel	2	25	6.0		
		Telehandler	Diesel	1	25	8.5		
			Crib Walls:					
25t excavator			Diesel	1	15	8.5		
6t dump truck			Diesel	1	15	8.5		
Road wagon			Diesel	2	15	8.5		
MEWP			Diesel	1	15	8.5		
Roller			Diesel	1	15	6.0		

A3 Corridor Widening Road Construction, Redhill Road, Wisley Lane	Retaining walls	Concrete Mixer Trucks (concrete footing)	Diesel	2	15	8.5
		Precast Concrete Cantilever:				
		25t excavator	Diesel	1	15	8.5
		Road wagon	Diesel	2	15	8.5
		25t city crane	Diesel	1	15	8.5
		MEWP	Diesel	1	15	8.5
		Roller	Diesel	1	15	6.0
		Concrete Mixer Trucks (concrete footing)	Diesel	2	15	8.5
		Sheet piling and excavation:				
		25t excavator	Diesel	1	134	8.5
		6t dump truck	Diesel	2	134	8.5
		Road wagon	Diesel	2	134	8.5
		TM22 piling rig (or similar)	Diesel	1	134	8.5
		Telehandler	Diesel	1	134	8.5
		Lorry mounted crane	Diesel	1	134	4.0
	Earthworks (2 gangs)	30T Tracked excavator	Diesel	2	290	9.5
		Tracked dozer D6	Diesel	2	290	9.5
		40T dump truck	Diesel	4	290	9.5
		8 wheeled tipper wagon	Diesel	14	290	9.5
	Drainage (2 gangs)	16t roller	Diesel	4	290	9.5
		25t tracked excavator	Diesel	4	187	8.5
		Trench roller	Diesel	2	187	3.0
		6t dumper	Diesel	4	187	6.0
	Narrow filter drains (2 gangs)	Diaphragm pump	Petrol	2	187	8.5
		Trenching machine	Diesel	2	20	8.5
	Subbase (2 gangs)	7T tracked excavator	Diesel	2	20	8.5
		20 tracked excavator	Diesel	2	52	10.0
		Motor grader	Diesel	2	52	10.0
		D6 Dozer	Diesel	2	52	10.0
		CB2.9 (1.3m) tandem vibrating roller	Diesel	2	52	10.0
	Kerbs (2 gangs)	8 wheeled tipper	Diesel	8	52	10.0
		Telehandler and mechanica kerb lifter	Diesel	2	59	8.5
	Road Surfacing (2 gangs)	Asphalt paver	Diesel	2	56	8.5
		JCB 2CX (or similar) with breaker	Diesel	2	56	8.5
		Cat CB-434D (or similar) vibratory roller	Diesel	2	56	8.5
		8 wheeled tipper	Diesel	10	56	8.5
	Lighting ducts/columns (2 gangs)	20t tracked excavator	Diesel	2	25	8.5
		lorry mounted crane	Diesel	2	25	2.0
		5t mini digger	Diesel	2	25	8.5
		7t dumper	Diesel	4	25	6.0
		Trench compactor	Diesel	2	25	4.0
		MEWP	Diesel	2	25	4.0
		Trailer mounted cable drum winch	Diesel	2	25	8.5
	Vehicle restraint systems (2 gangs)	Tracked post knocker	Diesel	2	25	6.0
		3t mini tracked excavator	Diesel	2	25	8.5
		Impact wrench	Petrol	2	25	3.0
		Petrol generator (2.2 kva)	Petrol	2	25	3.0
		Lorry mounted crane	Diesel	2	25	2.0
		20t tracked excavator	Diesel	1	80	8.5
		Generator	Petrol	1	80	8.5
Stratford Brook Culvert A3 offslip to Ockham Junction	Culvert Strengthening	Diaphragm pump 3"	Petrol	2	80	8.5
		6t dumper	Diesel	1	80	8.5
		50t mobile crane	Diesel	1	80	6.0
		Tipper wagon	Diesel	2	80	8.5
		LB 28 rotary piling rig (or similar)	Diesel	1	80	8.0
		36 m concrete pump (only required on pour days)	Diesel	1	20	8.0
		Concrete Mixer Trucks (only required on pour days)	Diesel	4	20	8.0
		120 roller	Diesel	2	80	4.0
		Rammax ARR 1575 (or similar)	Diesel	1	80	4.0
		Petrol generator (2.2 kva)	Petrol	2	80	8.5
		Forward/Reverse plate compactor	Diesel	1	80	3.0
		Poker vibrators	Petrol	4	80	6.0
		Cut off saw	Petrol	1	80	3.0
		20t tracked excavator	Diesel	2	95	8.5
		6t dump truck	Diesel	2	95	8.5
A3 Wisley Lane Overbridge	Foundation excavation, piling, In-situ concrete,	8 wheeled tipper	Diesel	2	95	8.5
		telehandler	Diesel	1	95	8.0
		LB 28 rotary piling rig (or similar)	Diesel	1	95	8.0
		50t mobile crane	Diesel	1	95	5.0
		36 m concrete pump (only required on pour days)	Diesel	1	20	8.0
		Concrete Mixer Trucks (only required on pour days)	Diesel	4	20	8.0
		120 roller	Diesel	2	95	6.0
		Rammax ARR 1575 (or similar)	Diesel	1	95	6.0
		Petrol generator (2.2 kva)	Petrol	3	95	8.0
		Forward/Reverse plate compactor	Diesel	1	95	4.0
		2" submersible pump	Petrol	2	95	24.0
		Poker vibrators	Petrol	4	95	6.0
		Cut off saw	Petrol	1	95	2.0
		Beam screed for deck pour	Petrol	1	20	3.0
	Beam fabrication and lifting	500t mobile crane	Diesel	1	50	8.5
		Low loader	Diesel	1	50	8.5
		Telehandler	Diesel	1	50	6.0
		MEWP	Diesel	1	50	6.0
		Diesel Welding Generator	Petrol	2	50	8.5
		20t tracked excavator	Diesel	2	95	8.5
		6t dump truck	Diesel	2	95	8.5
		8 wheeled tipper	Diesel	2	95	8.5
		telehandler	Diesel	1	95	8.0
		LB 28 rotary piling rig (or similar)	Diesel	1	95	8.0
		50t mobile crane	Diesel	1	95	5.0

A3 Cockrow Overbridge	Foundation excavation, piling, In-situ concrete,	36 m concrete pump (only required on pour days)	Diesel	1	25	8.0
		Concrete Mixer Trucks (only required on pour days)	Diesel	4	25	8.0
		120 roller	Diesel	2	95	6.0
		Rammax ARR 1575 (or similar)	Diesel	1	95	6.0
		Petrol generator (2.2 kva)	Petrol	3	95	8.0
		Forward/Reverse plate compactor	Diesel	1	95	4.0
		2" submersible pump	Petrol	2	95	24.0
		Poker vibrators	Petrol	4	95	6.0
		Cut off saw	Petrol	1	95	2.0
		Beam screed for deck pour	Petrol	1	20	3.0
	Beam fabrication and lifting	500t mobile crane	Diesel	1	50	8.5
		Low loader	Diesel	1	50	8.5
		Telehandler	Diesel	1	50	6.0
		MEWP	Diesel	1	50	6.0
		Diesel Welding Generator	Petrol	2	50	8.5
		20t tracked excavator	Diesel	2	75	8.5
		6t dump truck	Diesel	2	75	8.5
		8 wheeled tipper	Diesel	2	75	8.5
A3 Redhill Overbridge	Foundation excavation, piling, In-situ concrete,	telehandler	Diesel	1	75	8.0
		LB 28 rotary piling rig (or similar)	Diesel	1	75	8.0
		50t mobile crane	Diesel	1	75	5.0
		36 m concrete pump (only required on pour days)	Diesel	1	20	8.0
		Concrete Mixer Trucks (only required on pour days)	Diesel	4	20	8.0
		120 roller	Diesel	2	75	6.0
		Rammax ARR 1575 (or similar)	Diesel	1	75	6.0
		Petrol generator (2.2 kva)	Petrol	3	75	8.0
		Forward/Reverse plate compactor	Diesel	1	75	4.0
		2" submersible pump	Petrol	2	75	24.0
		Poker vibrators	Petrol	4	75	6.0
		Cut off saw	Petrol	1	75	2.0
		Beam screed for deck pour	Petrol	1	15	3.0
	Beam fabrication and lifting	500t mobile crane	Diesel	1	40	8.5
		Low loader	Diesel	1	40	8.5
		Telehandler	Diesel	1	40	6.0
		MEWP	Diesel	1	40	6.0
		Diesel Welding Generator	Petrol	2	40	8.5
Stratford Brook Underbridge (river)	Foundation excavation, piling, In-situ concrete,	20t tracked excavator	Diesel	2	40	8.5
		6t dump truck	Diesel	2	40	8.5
		8 wheeled tipper	Diesel	2	40	8.5
		telehandler	Diesel	1	40	8.0
		LB 28 rotary piling rig (or similar)	Diesel	1	40	8.0
		50t mobile crane	Diesel	1	40	5.0
		36 m concrete pump (only required on pour days)	Diesel	1	10	8.0
		Concrete Mixer Trucks (only required on pour days)	Diesel	4	10	8.0
		120 roller	Diesel	2	40	6.0
		Rammax ARR 1575 (or similar)	Diesel	1	40	6.0
		Petrol generator (2.2 kva)	Petrol	3	40	8.0
		Forward/Reverse plate compactor	Diesel	1	40	4.0
		2" submersible pump	Petrol	2	40	24.0
		Poker vibrators	Petrol	4	40	6.0
		Cut off saw	Petrol	1	40	2.0
	Beam fabrication and lifting	Beam screed for deck pour	Petrol	1	10	3.0
A245 Seven Hills Road to Painshill Junction	Road widening, NMU & LAR construction	500t mobile crane	Diesel	1	30	8.5
		Low loader	Diesel	1	30	8.5
		Telehandler	Diesel	1	30	6.0
		MEWP	Diesel	1	30	6.0
		Diesel Welding Generator	Petrol	2	30	8.5
		20t excavator	Diesel	2	30	8.0
		7t excavator	Diesel	2	30	8.0
		7t dump truck	Diesel	2	30	6.0
		Road wagon	Diesel	4	30	8.0
		120 roller	Diesel	2	30	6.0
		1m planer	Diesel	1	30	4.0
		Floor saw	Diesel	1	30	2.0
		Compressor	Diesel	2	30	8.0
		Paver	Diesel	1	30	6.0
	Retaining walls	White lining wagon	Diesel	1	30	6.0
		Crib Walls:				
		25t excavator	Diesel	1	57	8.5
		6t dump truck	Diesel	1	57	8.5
		Road wagon	Diesel	2	57	8.5
		MEWP	Diesel	1	57	8.5
		Roller	Diesel	1	57	6.0
		Concrete Mixer Trucks (concrete footing)	Diesel	2	57	8.5
		Precast Concrete Cantiliver:				
		25t excavator	Diesel	1	44	8.5
		Road wagon	Diesel	2	44	8.5
		25t city crane	Diesel	1	44	8.5
		MEWP	Diesel	1	44	8.5
		Roller	Diesel	1	44	6.0
		Concrete Mixer Trucks (concrete footing)	Diesel	2	44	8.5
		Sheet piling and excavation:				
		25t excavator	Diesel	1	20	8.5
		6t dump truck	Diesel	2	20	8.5
		Road wagon	Diesel	2	20	8.5
		TM22 piling rig (or similar)	Diesel	1	20	8.5
		Telehandler	Diesel	1	20	8.5

		Lorry mounted crane	Diesel	1	20	4.0
Site Wide & Others						
	Main Compound	Generator	Petrol	1	401	24.0
		Water Bowser	Diesel	1	401	24.0
		Sewage treatment plant	Diesel	1	801	24.0
		Concrete crusher and screener (for processing site won material)	Diesel	1	801	7.0
		Dust suppression cannon/hose for above	Diesel	2	801	7.0
Site Wide	Support	Road Sweeper	Diesel	2	601	8.5
		Heavy Recovery vehicles	Diesel	4	601	4.0
		Light Recovery Vehicles	Diesel	4	601	4.0
		Mini bus (8 seater)	Diesel	6	601	9.0
		Pick Up	Diesel	10	601	9.0
		Lorry mounted crane	Diesel	1	601	8.5
		Pick up and trailer	Diesel	1	401	8.0
Off site locations	New/replacement signage at road junctions	3t excavator with breaker attachment	Diesel	1	401	8.0
		Cut off saw	Petrol	1	401	3.0

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