

Annexure A22: Operational Phase Trip Generation (Duynefontein)

Land Use Type	Total Staff (No)	Directional Percentage of Shift Staff Travelling in Peak hour				Total Peak Person Trips Generated						Mode of Transport				Total Vehicle Trips Generated					
		AM Peak		PM Peak		AM Peak			PM Peak			Private Transport	Public Transport			AM Peak			PM Peak		
		In (Shift 2)	Out (Shift 1)	In (Shift 3)	Out (Shift 2)	In	Out	Total	In	Out	Total		Taxi	Bus	Rail	In	Out	Total	In	Out	Total
Duynefontein: Nuclear Operational Phase	1300	50%	80%	30%	30%	390	156	546	98	234	332	70%	10%	20%	0%	186	74	260	46	112	158
TOTAL	1300					390	156	546	98	234	332					186	74	260	46	112	158

Shift	% Staff per shift	No. Staff per shift
Shift 1	15%	195
Shift 2	60%	780
Shift 3	25%	325
Total	100%	1300

Mode of Transport	Average Occupancy	Capacity
Private Vehicle	1.5	5
Taxi	15	15
Bus	60	60