

Crushing of Inert Waste				
Plant	Quantity	Sound Pressure Level 10m	% on Time	Duration weeks
Tracked Crusher	1	84	90	1
Wheeled Loader	1	76	70	1
14T Excavator	1	69	30	1

Receptor 1	Static Noise Sources	Level at 10m	Activity LWA dB(A)	Distance to receptor m	On Time %	'On Time' Correction dB(A)	Hard or Soft Ground (S or H)	Distance Correction dB(A)	Is there a Barrier? (Y/N)	Source Height (m)	Receiver Height (m)	Barrier Height (m)	Source to Barrier Distance (m)	Barrier to Receiver Distance (m)	Barrier Correction dB(A)	Façade Correction dB(A)	LAeq,10hour (façade) dB(A)
	Tracked Crusher	84	112	100	70	-1.5	h	-48.0	Y	2.0	10.0	3.0	15.0	85.0	-4.6	3	60.9
	Wheeled Loader	76	104	100	70	-1.5	h	-48.0	Y	2.0	10.0	3.0	15.0	85.0	-4.6	3	52.9
	14T Excavator	69	97	100	50	-3.0	h	-48.0	Y	2.0	10.0	3.0	15.0	85.0	-4.6	3	44.4
	TOTAL																61.6

Receptor 2	Static Noise Sources	Level at 10m	Activity LWA dB(A)	Distance to receptor m	On Time %	'On Time' Correction dB(A)	Hard or Soft Ground (S or H)	Distance Correction dB(A)	Is there a Barrier? (Y/N)	Source Height (m)	Receiver Height (m)	Barrier Height (m)	Source to Barrier Distance (m)	Barrier to Receiver Distance (m)	Barrier Correction dB(A)	Façade Correction dB(A)	LAeq,10hour (façade) dB(A)
	Tracked Crusher	84	112	340	70	-1.5	h	-58.6	y	2.0	24.0	3.0	6.0	334.0	-7.6	3	47.2
	Wheeled Loader	76	104	340	70	-1.5	h	-58.6	y	2.0	24.0	3.0	6.0	334.0	-7.6	3	39.2
	14T Excavator	69	97	340	50	-3.0	h	-58.6	y	2.0	24.0	3.0	6.0	334.0	-7.6	3	30.8
	TOTAL																47.9

Receptor 3	Static Noise Sources	Level at 10m	Activity LWA dB(A)	Distance to receptor m	On Time %	'On Time' Correction dB(A)	Hard or Soft Ground (S or H)	Distance Correction dB(A)	Is there a Barrier? (Y/N)	Source Height (m)	Receiver Height (m)	Barrier Height (m)	Source to Barrier Distance (m)	Barrier to Receiver Distance (m)	Barrier Correction dB(A)	Façade Correction dB(A)	LAeq,10hour (façade) dB(A)
	Tracked Crusher	84	112	670	70	-1.5	s	-71.7	n	2.0	-2.0	5.0	6.0	664.0	0	3	41.8
	Wheeled Loader	75	103	670	70	-1.5	s	-71.7	n	2.0	-2.0	5.0	6.0	664.0	0	3	32.8
	14T Excavator	69	97	670	50	-3.0	s	-71.7	n	2.0	-2.0	5.0	6.0	664.0	0	3	25.3
	TOTAL																42.4

Receptor 4	Static Noise Sources	Level at 10m	Activity LWA dB(A)	Distance to receptor m	On Time %	'On Time' Correction dB(A)	Hard or Soft Ground (S or H)	Distance Correction dB(A)	Is there a Barrier? (Y/N)	Source Height (m)	Receiver Height (m)	Barrier Height (m)	Source to Barrier Distance (m)	Barrier to Receiver Distance (m)	Barrier Correction dB(A)	Façade Correction dB(A)	LAeq,10hour (façade) dB(A)
	Tracked Crusher	84	112	1000	70	-1.5	s	-76.0	n	2.0	-2.0	5.0	6.0	994.0	0	3	37.5
	Wheeled Loader	76	104	1000	70	-1.5	s	-76.0	n	2.0	-2.0	5.0	6.0	994.0	0	3	29.5
	14T Excavator	69	97	1000	50	-3.0	s	-76.0	n	2.0	-2.0	5.0	6.0	994.0	0	3	21.0
	TOTAL																38.2

Predicted

Results Summary	Façade Level	
1		61.6
2		47.9
3		42.4
4		38.2

Crushing of Inert Waste				
Plant	Quantity	Sound Pressure Level 10m from source dB	% on Time	Duration weeks
Screen Stockpiles	1	81	90	1
Wheeled loader - loading hopper	1	75	70	1
13T Excavator	1	69	30	1

Receptor 1	Static Noise Sources	Level at 10m	Activity LWA dB(A)	Distance to receptor m	On Time %	'On Time' Correction dB(A)	Hard or Soft Ground (S or H)	Distance Correction dB(A)	Is there a Barrier? (Y/N)	Source Height (m)	Receiver Height (m)	Barrier Height (m)	Source to Barrier Distance (m)	Barrier to Receiver Distance (m)	Barrier Correction dB(A)	Façade Correction dB(A)	Aeq,10hours (façade) dB(A)
	Screen Stockpiles	81	109	100	70	-1.5	h	-48.0	y	2.0	10.0	3.0	30.0	70.0	-1.9	3	60.6
	Wheeled loader - loading hopper	75	103	100	70	-1.5	h	-48.0	y	2.0	10.0	3.0	30.0	70.0	-1.9	3	54.6
	13T Excavator	69	97	100	50	-3.0	h	-48.0	y	2.0	10.0	3.0	30.0	70.0	-1.9	3	47.1
	TOTAL																61.7

Receptor 2	Static Noise Sources	Level at 10m	Activity LWA dB(A)	Distance to receptor m	On Time %	'On Time' Correction dB(A)	Hard or Soft Ground (S or H)	Distance Correction dB(A)	Is there a Barrier? (Y/N)	Source Height (m)	Receiver Height (m)	Barrier Height (m)	Source to Barrier Distance (m)	Barrier to Receiver Distance (m)	Barrier Correction dB(A)	Façade Correction dB(A)	Aeq,10hours (façade) dB(A)
	Screen Stockpiles	81	109	340	70	-1.5	h	-58.6	y	2.0	24.0	5.0	30.0	310.0	-7.1	3	44.7
	Wheeled loader - loading hopper	75	103	340	70	-1.5	h	-58.6	y	2.0	24.0	5.0	30.0	310.0	-7.1	3	38.7
	13T Excavator	69	97	340	50	-3.0	h	-58.6	y	2.0	24.0	5.0	30.0	310.0	-7.1	3	31.2
	TOTAL																45.8

Receptor 3	Static Noise Sources	Level at 10m	Activity LWA dB(A)	Distance to receptor m	On Time %	'On Time' Correction dB(A)	Hard or Soft Ground (S or H)	Distance Correction dB(A)	Is there a Barrier? (Y/N)	Source Height (m)	Receiver Height (m)	Barrier Height (m)	Source to Barrier Distance (m)	Barrier to Receiver Distance (m)	Barrier Correction dB(A)	Façade Correction dB(A)	Aeq,10hours (façade) dB(A)
	Screen Stockpiles	81	109	670	70	-1.5	s	-71.7	n	2.0	-2.0	5.0	6.0	664.0	0	3	38.8
	Wheeled loader - loading hopper	75	103	670	70	-1.5	s	-71.7	n	2.0	-2.0	5.0	6.0	664.0	0	3	32.8
	13T Excavator	69	97	670	50	-3.0	s	-71.7	n	2.0	-2.0	5.0	6.0	664.0	0	3	25.3
	TOTAL																39.9

Receptor 4	Static Noise Sources	Level at 10m	Activity LWA dB(A)	Distance to receptor m	On Time %	'On Time' Correction dB(A)	Hard or Soft Ground (S or H)	Distance Correction dB(A)	Is there a Barrier? (Y/N)	Source Height (m)	Receiver Height (m)	Barrier Height (m)	Source to Barrier Distance (m)	Barrier to Receiver Distance (m)	Barrier Correction dB(A)	Façade Correction dB(A)	Aeq,10hours (façade) dB(A)
	Screen Stockpiles	81	109	1000	70	-1.5	s	-76.0	n	2.0	-2.0	5.0	6.0	994.0	0	3	34.5

Wheeled loader loading hopper	75	103	1000	70	-1.5	s	-76.0	n	2.0	-2.0	5.0	6.0	994.0	0	3	28.5
13T Excavator	69	97	1000	50	-3.0	s	-76.0	n	2.0	-2.0	5.0	6.0	994.0	0	3	21.0
TOTAL																35.6

Results Summary	Predicted	
	Façade Level	
	1	61.7
	2	45.8
	3	39.9
	4	35.6

Lorry Loading				
Plant	Quantity	Sound Pressure Level 10m	% on Time	Duration weeks
Wheeled Loader	1	82	100	10
Lorry 32t	4	76	25	10

Receptor 1	Static Noise Sources	Level at 10m	Activity LWA dB(A)	Distance to receptor m	On Time %	'On Time' Correction dB(A)	Hard or Soft Ground (S or H)	Distance Correction dB(A)	Is there a Barrier? (Y/N)	Source Height (m)	Receiver Height (m)	Barrier Height (m)	Source to Barrier Distance (m)	Barrier to Receiver Distance (m)	Barrier Correction dB(A)	Façade Correction dB(A)	Aeq,10hour (façade) dB(A)
	Wheeled Loader	82	110	100	100	0.0	h	-48.0	y	2.0	10.0	3.0	6.0	94.0	-7.3	3	57.7
	Lorry 32t	76	104	100	25	-6.0	h	-48.0	y	2.0	10.0	3.0	6.0	94.0	-7.3	3	45.7
	TOTAL																58.0

Receptor 2	Static Noise Sources	Level at 10m	Activity LWA dB(A)	Distance to receptor m	On Time %	'On Time' Correction dB(A)	Hard or Soft Ground (S or H)	Distance Correction dB(A)	Is there a Barrier? (Y/N)	Source Height (m)	Receiver Height (m)	Barrier Height (m)	Source to Barrier Distance (m)	Barrier to Receiver Distance (m)	Barrier Correction dB(A)	Façade Correction dB(A)	Aeq,10hour (façade) dB(A)
	Wheeled Loader	82	110	340	100	0.0	h	-58.6	y	2.0	5.0	3.0	6.0	334.0	-8.9	3	45.5
	Lorry 32t	76	104	340	25	-6.0	h	-58.6	y	2.0	5.0	3.0	6.0	334.0	-8.9	3	33.5
	TOTAL																45.8

Receptor 3	Static Noise Sources	Level at 10m	Activity LWA dB(A)	Distance to receptor m	On Time %	'On Time' Correction dB(A)	Hard or Soft Ground (S or H)	Distance Correction dB(A)	Is there a Barrier? (Y/N)	Source Height (m)	Receiver Height (m)	Barrier Height (m)	Source to Barrier Distance (m)	Barrier to Receiver Distance (m)	Barrier Correction dB(A)	Façade Correction dB(A)	Aeq,10hour (façade) dB(A)
	Wheeled Loader	82	110	670	100	0.0	s	-71.7	n	2.0	-2.0	5.0	6.0	664.0	0	3	41.3
	Lorry 32t	76	104	670	25	-6.0	s	-71.7	n	2.0	-2.0	5.0	6.0	664.0	0	3	29.3
	TOTAL																41.6

Receptor 4	Static Noise Sources	Level at 10m	Activity LWA dB(A)	Distance to receptor m	On Time %	'On Time' Correction dB(A)	Hard or Soft Ground (S or H)	Distance Correction dB(A)	Is there a Barrier? (Y/N)	Source Height (m)	Receiver Height (m)	Barrier Height (m)	Source to Barrier Distance (m)	Barrier to Receiver Distance (m)	Barrier Correction dB(A)	Façade Correction dB(A)	Aeq,10hour (façade) dB(A)
	Wheeled Loader	82	110	1000	100	0.0	s	-76.0	n	2.0	-2.0	5.0	6.0	994.0	0	3	37.0
	Lorry 32t	76	104	1000	25	-6.0	s	-76.0	n	2.0	-2.0	5.0	6.0	994.0	0	3	25.0
	TOTAL																37.3

Results Summary	Predicted Façade Level	
1		58.0
2		45.8
3		41.6
4		37.3