

Appendix 4.5

Details of Calculations for Existing Operations

4.5 DETAILS OF CALCULATIONS FOR EXISTING OPERATIONS

IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)						
IPkt017	46 Rochdale Road GF S/W	405292.4	422942	44.46						
ISO 9613-2	L _{fT} = L _w + D _c - A _{div} - A _{atm} - A _{gr} - A _{fol} - A _{hous} - A _{bar} - C _{met}									
Element	Label	L _w	D _c	A _{div}	A _{atm}	A _{gr}	A _{fol}	A _{hous}	A _{bar}	C _{met}
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall	87.64	0	54.83	0.09	-3	0	0	14.32	0
FLQi034	Recycling Building/SW wall	83.52	0	55.29	0.11	-3.09	0	0	11.16	0
FLQi072	Shed Door#3_Rear (Open door)	89.92	0	55.11	0.08	-3.13	0	0	9.25	0
FLQi035	Recycling Building/NW wall	87.65	0	54.04	0.17	-3	0	0	1.89	0
FLQi036	Recycling Building/NE wall	82.64	0	53.65	0.15	-3	0	0	1.31	0
FLQi073	Shed Front Door#1 (Open door)	90.9	0	53.21	0.22	-3	0	0	2.44	0
FLQi074	Shed Front Door#2 (Open door)	90.9	0	53.56	0.22	-3	0	0	2.35	0
FLQi037	Recycling Building/Roof	91.94	0	54.41	0.14	-3	0	0	4.68	0
BS 5228	L _{aeq} = L _{wa,T} - K _h - K* + A _{fac} K* = max(K _s -K _h , A _{scr})									
Element	Label	L _{wA,T}	K _h	K _s -K _h	A _{scr}	K*	A _{fac}			
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB	
HAUL002	1. HGV parking maneuvering	74.56		49.38			10	0		
HAUL003	2. HGV to Recycle Shed	74.67		49.86			5.15	0		

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HAUL004	3. HGV/Skip to Shed	81.42	50.46	4.26	0
HAUL005	4. Skip Lorry to store site	77.21	50.8	0.91	0
HAUL006	5. HGV from shed to access road	74.41	49.61	5	0
HAUL007	6. Skip Lorry from store to access road	73.09	49.97	5	0
HAUL008	7. Wheeled loader to fixed skips	71.15	53.14	2.49	0

IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)
IPkt018	46 Rochdale Road UF1 S/W	405292.4	422942	45.05

ISO 9613-2	L _T = L _w + D _c - A _{div} - A _{atm} - A _{gr} - A _{fol} - A _{hous} - A _{bar} - C _{met}									
Element	Label	L _w	D _c	A _{div}	A _{atm}	A _{gr}	A _{fol}	A _{hous}	A _{bar}	C _{met}
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall	87.64	0	54.84	0.09	-3	0	0	14.28	0
FLQi034	Recycling Building/SW wall	83.52	0	55.28	0.11	-3	0	0	10.7	0
FLQi072	Shed Door#3_Rear (Open door)	89.92	0	55.12	0.08	-3	0	0	9.21	0
FLQi035	Recycling Building/NW wall	87.65	0	54.02	0.14	-3	0	0	0.22	0
FLQi036	Recycling Building/NE wall	82.64	0	53.67	0.13	-3	0	0	0.11	0
FLQi073	Shed Front Door#1 (Open door)	90.9	0	53.23	0.16	-3	0	0	0.48	0
FLQi074	Shed Front Door#2 (Open door)	90.9	0	53.58	0.17	-3	0	0	0.37	0
FLQi037	Recycling Building/Roof	91.94	0	54.42	0.16	-3	0	0	4.44	0

BS 5228	L _{aeq} = L _{wa,T} - K _h - K* + A _{fac} K* = max(K _s -K _h , A _{scr})									
Element	Label	L _{wa,T}	K _h	K _s -K _h	A _{scr}	K*	A _{fac}			

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		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB
HAUL002	1. HGV parking maneuvering	74.56		49.35		7.8	0		
HAUL003	2. HGV to Recycle Shed	74.67		49.91		0.3	0		
HAUL004	3. HGV/Skip to Shed	81.42		50.47		1.4	0		
HAUL005	4. Skip Lorry to store site	77.21		50.78		0	0		
HAUL006	5. HGV from shed to access road	74.41		49.65		0	0		
HAUL007	6. Skip Lorry from store to access road	73.09		49.91		3.1	0		
HAUL008	7. Wheeled loader to fixed skips	71.15		52.98		0.4	0		

IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)
IPkt019	46 Rochdale Road GF South	405295.4	422939.2	45.02

ISO 9613-2	L _{fT} = L _w + D _c - A _{div} - A _{atm} - A _{gr} - A _{fol} - A _{hous} - A _{bar} - C _{met}									
Element	Label	L _w	D _c	A _{div}	A _{atm}	A _{gr}	A _{fol}	A _{hous}	A _{bar}	C _{met}
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall	87.64	0	54.68	0.09	-3	0	0	14.26	0
FLQi034	Recycling Building/SW wall	83.52	0	55.16	0.1	-3.07	0	0	10.83	0
FLQi072	Shed Door#3_Rear (Open door)	89.92	0	55	0.08	-3.11	0	0	9.37	0
FLQi035	Recycling Building/NW wall	87.65	0	53.9	0.14	-3	0	0	0.67	0
FLQi036	Recycling Building/NE wall	82.64	0	53.47	0.13	-3	0	0	0.4	0
FLQi073	Shed Front Door#1 (Open door)	90.9	0	53.03	0.17	-3	0	0	1.09	0
FLQi074	Shed Front Door#2 (Open door)	90.9	0	53.38	0.18	-3	0	0	0.96	0
FLQi037	Recycling Building/Roof									

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		91.94	0		54.2	0.1	-3	0	0	4.68	0
					6	4					

BS 5228 Laeq = Lwa,T - Kh - K* + Afac | K* = max(Ks-Kh, Ascr)

Element	Label	Lwa,T	Kh	Ks-Kh	Asc r	K*	Afa c		
		/dB(A) /m	/dB	/dB	/dB	/dB	/dB	/dB	/dB
HAUL002	1. HGV parking maneuvering	74.56	49.11			10	0		
HAUL003	2. HGV to Recycle Shed	74.67	49.67			0.38	0		
HAUL004	3. HGV/Skip to Shed	81.42	50.24			1.53	0		
HAUL005	4. Skip Lorry to store site	77.21	50.55			0	0		
HAUL006	5. HGV from shed to access road	74.41	49.63			3.23	0		
HAUL007	6. Skip Lorry from store to access road	73.09	49.74			5	0		
HAUL008	7. Wheeled loader to fixed skips	71.15	53.05			2.5	0		

IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)
IPkt020	46 Rochdale Road UF1South	405295.4	422939.2	45.25

ISO 9613-2	LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet									
Element	Label	Lw	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall	87.64	0	54.69	0.08	-3	0	0	14.22	0
FLQi034	Recycling Building/SW wall	83.52	0	55.16	0.1	-3	0	0	10.76	0
FLQi072	Shed Door#3_Rear (Open door)	89.92	0	55.01	0.08	-3	0	0	9.33	0
FLQi035	Recycling Building/NW wall	87.65	0	53.88	0.13	-3	0	0	0.17	0
FLQi036	Recycling Building/NE wall	82.64	0	53.49	0.12	-3	0	0	0.02	0
FLQi073	Shed Front Door#1 (Open door)									

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		90.9	0		53.0 4	0.1 5	-3	0	0	0.26	0
FLQi074	Shed Front Door#2 (Open door)										
		90.9	0		53.3 9	0.1 6	-3	0	0	0.22	0
FLQi037	Recycling Building/Roof										
		91.94	0		54.2 7	0.1 6	-3	0	0	4.44	0
BS 5228	Laeq = Lwa,T - Kh - K* + Afac K* = max(Ks-Kh, Ascr)										
Element	Label	LwA,T		Kh	Ks-Kh	Asc r	K*	Afa c			
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB		
HAUL002	1. HGV parking maneuvering	74.56		49.0 9			7.7 6	0			
HAUL003	2. HGV to Recycle Shed	74.67		49.7			0.3 8	0			
HAUL004	3. HGV/Skip to Shed	81.42		50.2 6			1.4 4	0			
HAUL005	4. Skip Lorry to store site	77.21		50.5 8			0	0			
HAUL006	5. HGV from shed to access road	74.41		49.4 2			0	0			
HAUL007	6. Skip Lorry from store to access road	73.09		49.6 7			3.1 9	0			
HAUL008	7. Wheeled loader to fixed skips	71.15		52.8 9			0.4 6	0			
IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)							
IPkt025	80 Rochdale Road GF S/E	405193.4	422884.3	41.3 6							
ISO 9613-2	LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet										
Element	Label	Lw	Dc	Adiv	Aat m	Agr	Afo l	Aho us	Aba r	Cm et	
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	
FLQi033	Recycling Building/SE wall										
		87.64	0	53.6 4	0.0 8	-3	0	0	16.3 4	0	
FLQi034	Recycling Building/SW wall										
		83.52	0	52.6	0.1	-3	0	0	7.46	0	
FLQi072	Shed Door#3_Rear (Open door)										
		89.92	0	52.3 1	0.0 7	-3	0	0	8.77	0	
FLQi035	Recycling Building/NW wall										
		87.65	0	52.1 7	0.1	-3	0	0	4.85	0	

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FLQi036	Recycling Building/NE wall									
		82.64	0		53.13	0.09	-3	0	0	6.74 0
FLQi073	Shed Front Door#1 (Open door)									
		90.9	0		52.76	0.09	-3	0	0	5.71 0
FLQi074	Shed Front Door#2 (Open door)									
		90.9	0		53.27	0.07	-3	0	0	7.6 0
FLQi037	Recycling Building/Roof									
		91.94	0		52.89	0.14	-3	0	0	4.34 0
BS 5228	Laeq = Lwa,T - Kh - K* + Afac K* = max(Ks-Kh, Asc)									
Element	Label	LwA,T		Kh	Ks-Kh	Asc	K*	Afac		
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB	
HAUL002	1. HGV parking maneuvering	74.56		50.99			7.22	0		
HAUL003	2. HGV to Recycle Shed	74.67		50.34			5.12	0		
HAUL004	3. HGV/Skip to Shed	81.42		51.02			5.28	0		
HAUL005	4. Skip Lorry to store site	77.21		51.07			5.26	0		
HAUL006	5. HGV from shed to access road	74.41		50.24			5.11	0		
HAUL007	6. Skip Lorry from store to access road	73.09		50.92			5	0		
HAUL008	7. Wheeled loader to fixed skips	71.15		49.96			10	0		
IPKT	IPKT: Name	IPKT: x	IPKT: y	Lr(IP)						
		/m	/m	/dB(A)						
IPkt026	80 Rochdale Road UF1S/E	405193.4	422884.3	42.92						
ISO 9613-2	Lft = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet									
Element	Label	Lw	Dc	Adiv	Aatm	Agr	Afol	Aho	Aba	Cm
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	et
FLQi033	Recycling Building/SE wall									
		87.64	0		53.66	0.08	-3	0	0	16.27 0
FLQi034	Recycling Building/SW wall									
		83.52	0		52.96	0.1	-3	0	0	5.74 0
FLQi072	Shed Door#3_Rear (Open door)									

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		89.92	0		52.34	0.09	-3	0	0	7.97	0
FLQi035	Recycling Building/NW wall										
		87.65	0		52.21	0.13	-3	0	0	4.27	0
FLQi036	Recycling Building/NE wall										
		82.64	0		53.14	0.09	-3	0	0	6.7	0
FLQi073	Shed Front Door#1 (Open door)										
		90.9	0		52.79	0.09	-3	0	0	5.7	0
FLQi074	Shed Front Door#2 (Open door)										
		90.9	0		53.22	0.07	-3	0	0	7.59	0
FLQi037	Recycling Building/Roof										
		91.94	0		52.9	0.16	-3	0	0	3.77	0
BS 5228	Laeq = Lwa,T - Kh - K* + Afac K* = max(Ks-Kh, Ascr)										
Element	Label	LwA,T		Kh	Ks-Kh	Asc r	K*	Afa c			
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB	/dB	
HAUL002	1. HGV parking maneuvering	74.56		50.97			3.24	0			
HAUL003	2. HGV to Recycle Shed	74.67		50.38			0.15	0			
HAUL004	3. HGV/Skip to Shed	81.42		51.07			0.38	0			
HAUL005	4. Skip Lorry to store site	77.21		51.12			0.34	0			
HAUL006	5. HGV from shed to access road	74.41		50.27			0.15	0			
HAUL007	6. Skip Lorry from store to access road	73.09		50.95			0	0			
HAUL008	7. Wheeled loader to fixed skips	71.15		49.99			10	0			
IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)							
IPkt031	80 Rochdale Road GF N/E	405196.3	422890.7	41.13							
ISO 9613-2	L _{fT} = L _w + D _c - A _{div} - A _{atm} - A _{gr} - A _{fol} - A _{hous} - A _{bar} - C _{met}										
Element	Label	Lw	Dc	Adiv	Aat m	Agr	Afo l	Aho us	Aba r	Cm et	
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	
FLQi033	Recycling Building/SE wall										

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		87.64	0		53.8 1	0.0 8	-3	0	0	16.3 3	0
FLQi034	Recycling Building/SW wall										
		83.52	0		53.0 2	0.0 9	-3	0	0	9.66	0
FLQi072	Shed Door#3_Rear (Open door)										
		89.92	0		52.6 6	0.0 8	-3	0	0	17.2 4	0
FLQi035	Recycling Building/NW wall										
		87.65	0		52.3 8	0.1 1	-3	0	0	4.79	0
FLQi036	Recycling Building/NE wall										
		82.64	0		53.2 6	0.0 9	-3	0	0	6.16	0
FLQi073	Shed Front Door#1 (Open door)										
		90.9	0		52.8 7	0.1	-3	0	0	5.32	0
FLQi074	Shed Front Door#2 (Open door)										
		90.9	0		53.3 1	0.0 8	-3	0	0	6.88	0
FLQi037	Recycling Building/Roof										
		91.94	0		53.0 8	0.1 4	-3	0	0	4.36	0
BS 5228	Laeq = Lwa,T - Kh - K* + Afac K* = max(Ks-Kh, Ascr)										
Element	Label	LwA,T		Kh	Ks-Kh	Asc r	K*	Afa c			
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB		
HAUL002	1. HGV parking maneuvering	74.56		51			7.2 7	0			
HAUL003	2. HGV to Recycle Shed	74.67		50.3 9			5	0			
HAUL004	3. HGV/Skip to Shed	81.42		51.1 5			4.4 8	0			
HAUL005	4. Skip Lorry to store site	77.21		51.1 2			5	0			
HAUL006	5. HGV from shed to access road	74.41		50.2 8			5	0			
HAUL007	6. Skip Lorry from store to access road	73.09		50.9 6			5	0			
HAUL008	7. Wheeled loader to fixed skips	71.15		50.2 7			10	0			
IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)							
IPkt032	80 Rochdale Road UF1N/E	405196. 3	422890. 7	42.6 7							

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ISO 9613-2 LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet

Element	Label	Lw	Dc	Adiv	Aatm	Agr	Afol	Aho	Abar	Cmet
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall									
		87.64	0	53.83	0.08	-3	0	0	16.25	0
FLQi034	Recycling Building/SW wall									
		83.52	0	53.22	0.09	-3	0	0	6.39	0
FLQi072	Shed Door#3_Rear (Open door)									
		89.92	0	52.69	0.08	-3	0	0	17.13	0
FLQi035	Recycling Building/NW wall									
		87.65	0	52.42	0.13	-3	0	0	3.85	0
FLQi036	Recycling Building/NE wall									
		82.64	0	53.29	0.09	-3	0	0	6.15	0
FLQi073	Shed Front Door#1 (Open door)									
		90.9	0	52.9	0.1	-3	0	0	5.32	0
FLQi074	Shed Front Door#2 (Open door)									
		90.9	0	53.33	0.08	-3	0	0	6.87	0
FLQi037	Recycling Building/Roof									
		91.94	0	53.16	0.16	-3	0	0	3.82	0
BS 5228	Laeq = Lwa,T - Kh - K* + Afac K* = max(Ks-Kh, Ascr)									
Element	Label	LwA,T	Kh	Ks-Kh	Asc	K*	Afac			
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB	
HAUL002	1. HGV parking maneuvering	74.56		50.98		3.33	0			
HAUL003	2. HGV to Recycle Shed	74.67		50.42		0	0			
HAUL004	3. HGV/Skip to Shed	81.42		51.11		0.24	0			
HAUL005	4. Skip Lorry to store site	77.21		51.16		0.14	0			
HAUL006	5. HGV from shed to access road	74.41		50.31		0	0			
HAUL007	6. Skip Lorry from store to access road	73.09		50.99		0	0			
HAUL008	7. Wheeled loader to fixed skips	71.15		50.3		10	0			
IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)						

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IPkt033	Bank House GF West	405234.9	422640.5	41.07						
ISO 9613-2	LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet									
Element	Label	Lw	Dc	Adiv	Aatm	Agr	Afol	Aho	Abar	Cmet
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall	87.64	0	54.81	0.17	-3	0	0	4.26	0
FLQi034	Recycling Building/SW wall	83.52	0	54.09	0.15	-3	0	0	3.51	0
FLQi072	Shed Door#3_Rear (Open door)	89.92	0	54.44	0.18	-3.03	0	0	4.71	0
FLQi035	Recycling Building/NW wall	87.65	0	55.36	0.09	-3	0	0	13.44	0
FLQi036	Recycling Building/NE wall	82.64	0	56	0.1	-3.04	0	0	11.67	0
FLQi073	Shed Front Door#1 (Open door)	90.9	0	56.28	0.1	-3.32	0	0	13.67	0
FLQi074	Shed Front Door#2 (Open door)	90.9	0	56.09	0.11	-3.15	0	0	15.13	0
FLQi037	Recycling Building/Roof	91.94	0	55.17	0.19	-3	0	0	2.24	0
BS 5228	Laeq = Lwa,T - Kh - K* + Afac K* = max(Ks-Kh, Ascr)									
Element	Label	LwA,T	Kh	Ks-Kh	Asc	K*	Afac			
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB		
HAUL002	1. HGV parking maneuvering	74.56		54.59		6.68	0			
HAUL003	2. HGV to Recycle Shed	74.67		53.79		10	0			
HAUL004	3. HGV/Skip to Shed	81.42		53.63		10	0			
HAUL005	4. Skip Lorry to store site	77.21		53.35		10	0			

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HAUL006	5. HGV from shed to access road	74.41	53.87	10	0
HAUL007	6. Skip Lorry from store to access road	73.09	53.9	10	0
HAUL008	7. Wheeled loader to fixed skips	71.15	50.53	10	0

IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)
IPkt034	Bank House UF1West	405234.9	422640.5	41.87

ISO 9613-2	L _{fT} = L _w + D _c - A _{div} - A _{atm} - A _{gr} - A _{fol} - A _{hous} - A _{bar} - C _{met}									
Element	Label	L _w	D _c	A _{div}	A _{atm}	A _{gr}	A _{fol}	A _{hous}	A _{bar}	C _{met}
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall	87.64	0	54.88	0.17	-3	0	0	3.34	0
FLQi034	Recycling Building/SW wall	83.52	0	54.12	0.15	-3	0	0	1.26	0
FLQi072	Shed Door#3_Rear (Open door)	89.92	0	54.47	0.21	-3	0	0	3.84	0
FLQi035	Recycling Building/NW wall	87.65	0	55.38	0.09	-3	0	0	13.4	0
FLQi036	Recycling Building/NE wall	82.64	0	56.01	0.1	-3	0	0	10.97	0
FLQi073	Shed Front Door#1 (Open door)	90.9	0	56.29	0.1	-3	0	0	13.64	0
FLQi074	Shed Front Door#2 (Open door)	90.9	0	56.12	0.1	-3	0	0	13.43	0
FLQi037	Recycling Building/Roof	91.94	0	55.09	0.2	-3	0	0	2.68	0

BS 5228	L _{aeq} = L _{wa,T} - K _h - K* + A _{fac} K* = max(K _s -K _h , A _{scr})								
Element	Label	L _{wa,T}		K _h	K _s -K _h	A _{scr}	K*	A _{fac}	
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB
HAUL002	1. HGV parking maneuvering	74.56		54.51			5	0	

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HAUL003	2. HGV to Recycle Shed	74.67	53.89	9.12	0
HAUL004	3. HGV/Skip to Shed	81.42	53.73	8.09	0
HAUL005	4. Skip Lorry to store site	77.21	53.38	10	0
HAUL006	5. HGV from shed to access road	74.41	53.89	10	0
HAUL007	6. Skip Lorry from store to access road	73.09	53.92	9.36	0
HAUL008	7. Wheeled loader to fixed skips	71.15	50.81	8.37	0

IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)
IPkt035	Bank House GF N/E	405242.8	422645.4	41.49

ISO 9613-2	LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet									
Element	Label	Lw	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall	87.64	0	54.4	0.16	-3	0	0	4.32	0
FLQi034	Recycling Building/SW wall	83.52	0	53.7	0.14	-3	0	0	4.11	0
FLQi072	Shed Door#3_Rear (Open door)	89.92	0	54.1	0.18	-3	0	0	4.66	0
FLQi035	Recycling Building/NW wall	87.65	0	55.03	0.09	-3	0	0	13.65	0
FLQi036	Recycling Building/NE wall	82.64	0	55.63	0.09	-3.03	0	0	11.57	0
FLQi073	Shed Front Door#1 (Open door)	90.9	0	55.94	0.09	-3.27	0	0	13.67	0
FLQi074	Shed Front Door#2 (Open door)	90.9	0	55.73	0.1	-3.12	0	0	15.01	0
FLQi037	Recycling Building/Roof	91.94	0	54.81	0.17	-3	0	0	2.07	0

CALDER VALLEY SKIP HIRE – ENVIRONMENTAL STATEMENT ADDENDUM

BS 5228	Laeq = Lwa,T - Kh - K* + Afac K* = max(Ks-Kh, Ascr)										
Element	Label		LwA,T		Kh	Ks-Kh	Asc r	K*	Afa c		
			/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB	
HAUL002	1. HGV parking maneuvering		74.56		54.17			5	0		
HAUL003	2. HGV to Recycle Shed		74.67		53.45			10	0		
HAUL004	3. HGV/Skip to Shed		81.42		53.38			7.22	0		
HAUL005	4. Skip Lorry to store site		77.21		52.99			10	0		
HAUL006	5. HGV from shed to access road		74.41		53.54			10	0		
HAUL007	6. Skip Lorry from store to access road		73.09		53.41			6.51	0		
HAUL008	7. Wheeled loader to fixed skips		71.15		50.19			10	0		
IPKT	IPKT: Name		IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)						
IPkt036	Bank House	UF1N/E	405242.8	422645.4	42.68						
ISO 9613-2	LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet										
Element	Label		Lw	Dc	Adiv	Aat m	Agr	Afo l	Aho us	Aba r	Cm et
			/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall		87.64	0	54.31	0.15	-3	0	0	0.75	0
FLQi034	Recycling Building/SW wall		83.52	0	53.75	0.14	-3	0	0	1.22	0
FLQi072	Shed Door#3_Rear (Open door)		89.92	0	54.13	0.21	-3	0	0	3.74	0
FLQi035	Recycling Building/NW wall		87.65	0	55.05	0.09	-3	0	0	13.61	0
FLQi036	Recycling Building/NE wall		82.64	0	55.65	0.09	-3	0	0	10.88	0
FLQi073	Shed Front Door#1 (Open door)		90.9	0	55.96	0.09	-3	0	0	13.63	0
FLQi074	Shed Front Door#2 (Open door)										

CALDER VALLEY SKIP HIRE – ENVIRONMENTAL STATEMENT ADDENDUM

		90.9	0		55.7	0.0	-3	0	0	13.3	0
					7	9				1	

FLQi037	Recycling Building/Roof										
		91.94	0		54.7	0.1	-3	0	0	2.64	0
					2	9					

BS 5228 Laeq = Lwa,T - Kh - K* + Afac | K* = max(Ks-Kh, Ascr)

Element	Label	LwA,T	Kh	Ks-Kh	Asc r	K*	Afa c				
		/dB(A) /m	/dB	/dB	/dB	/dB	/dB	/dB	/dB		
HAUL002	1. HGV parking maneuvering	74.56	54.29			1.68	0				
HAUL003	2. HGV to Recycle Shed	74.67	53.59			8.59	0				
HAUL004	3. HGV/Skip to Shed	81.42	53.38			6.11	0				
HAUL005	4. Skip Lorry to store site	77.21	53.03			7.27	0				
HAUL006	5. HGV from shed to access road	74.41	53.56			10	0				
HAUL007	6. Skip Lorry from store to access road	73.09	53.49			5.69	0				
HAUL008	7. Wheeled loader to fixed skips	71.15	50.47			8.38	0				

IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)
IPkt037	Bank House GF East	405247.4	422640.4	39.23

ISO 9613-2 LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet

Element	Label	Lw	Dc	Adiv	Aatm	Agr	Afol	Aho us	Aba r	Cm et
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall									
		87.64	0	54.58	0.14	-3	0	0	4.83	0
FLQi034	Recycling Building/SW wall									
		83.52	0	53.91	0.12	-3	0	0	5.85	0
FLQi072	Shed Door#3_Rear (Open door)									
		89.92	0	54.42	0.12	-3	0	0	7.34	0
FLQi035	Recycling Building/NW wall									
		87.65	0	55.5	0.1	-3	0	0	17.27	0
FLQi036	Recycling Building/NE wall									

CALDER VALLEY SKIP HIRE – ENVIRONMENTAL STATEMENT ADDENDUM

		82.64	0		55.8	0.1	-3.03	0	0	11.4	0	7
FLQi073	Shed Front Door#1 (Open door)											
		90.9	0		56.1	0.1	-3.16	0	0	15.3	0	8
FLQi074	Shed Front Door#2 (Open door)											
		90.9	0		55.9	0.1	-3.13	0	0	14.9	0	1
FLQi037	Recycling Building/Roof											
		91.94	0		54.93	0.18	-3	0	0	3.75	0	
BS 5228	Laeq = Lwa,T - Kh - K* + Afac K* = max(Ks-Kh, Ascr)											
Element	Label	LwA,T		Kh	Ks-Kh	Asc r	K*	Afa c				
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB			
HAUL002	1. HGV parking maneuvering	74.56		54.29			5	0				
HAUL003	2. HGV to Recycle Shed	74.67		53.73			8.23	0				
HAUL004	3. HGV/Skip to Shed	81.42		53.42			10	0				
HAUL005	4. Skip Lorry to store site	77.21		53.13			10	0				
HAUL006	5. HGV from shed to access road	74.41		53.7			10	0				
HAUL007	6. Skip Lorry from store to access road	73.09		53.74			8.34	0				
HAUL008	7. Wheeled loader to fixed skips	71.15		50.52			10	0				
IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)								
IPkt038	Bank House UF1East	405247.4	422640.4	40.51								
ISO 9613-2	LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet											
Element	Label	Lw	Dc	Adiv	Aat m	Agr	Afo l	Aho us	Aba r	Cm et		
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB		
FLQi033	Recycling Building/SE wall											
		87.64	0	54.67	0.17	-3	0	0	3.63	0		
FLQi034	Recycling Building/SW wall											
		83.52	0	53.95	0.12	-3	0	0	5.27	0		

CALDER VALLEY SKIP HIRE – ENVIRONMENTAL STATEMENT ADDENDUM

FLQi072	Shed Door#3_Rear (Open door)	89.92	0	54.4	0.1	-3	0	0	4.2	0
				2						
FLQi035	Recycling Building/NW wall	87.65	0	55.5	0.0	-3	0	0	16.9	0
				9					9	
FLQi036	Recycling Building/NE wall	82.64	0	55.8	0.1	-3	0	0	11.2	0
				2					6	
FLQi073	Shed Front Door#1 (Open door)	90.9	0	56.1	0.1	-3	0	0	13.5	0
				3					9	
FLQi074	Shed Front Door#2 (Open door)	90.9	0	55.9	0.0	-3	0	0	13.1	0
				4	9				7	
FLQi037	Recycling Building/Roof	91.94	0	54.9	0.1	-3	0	0	3.09	0
				7	8					
BS 5228 Laeq = Lwa,T - Kh - K* + Afac K* = max(Ks-Kh, Ascr)										
Element	Label	Lwa,T		Kh	Ks-Kh	Asc	K*	Afac		
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB	
HAUL002	1. HGV parking maneuvering	74.56		54.3			0	0		
				1						
HAUL003	2. HGV to Recycle Shed	74.67		53.7			8.2	0		
				5			3			
HAUL004	3. HGV/Skip to Shed	81.42		53.5			6.0	0		
				1			6			
HAUL005	4. Skip Lorry to store site	77.21		53.1			7.2	0		
				7						
HAUL006	5. HGV from shed to access road	74.41		53.7			10	0		
				2						
HAUL007	6. Skip Lorry from store to access road	73.09		53.6			5.6	0		
				2			9			
HAUL008	7. Wheeled loader to fixed skips	71.15		50.5			10	0		
				6						
IPKT IPKT: Name IPKT: x /m IPKT: y /m Lr(IP) /dB(A)										
IPkt079	90 Rochdale Road GF S/E	405147.7	422858.1	39.8						
				5						
ISO 9613-2 LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet										
Element	Label	Lw	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall									

CALDER VALLEY SKIP HIRE – ENVIRONMENTAL STATEMENT ADDENDUM

		87.64	0		54.9 2	0.0 9	-3	0	0	16.0 8	0
FLQi034	Recycling Building/SW wall										
		83.52	0		53.9 3	0.1 3	-3	0	0	1.43	0
FLQi072	Shed Door#3_Rear (Open door)										
		89.92	0		53.3 3	0.0 8	-3	0	0	5.87	0
FLQi035	Recycling Building/NW wall										
		87.65	0		53.6 8	0.1 1	-3	0	0	5.56	0
FLQi036	Recycling Building/NE wall										
		82.64	0		54.8 4	0.1	- 3.0 2	0	0	11.3 1	0
FLQi073	Shed Front Door#1 (Open door)										
		90.9	0		54.6 6	0.1 2	- 3.0 6	0	0	17.7 5	0
FLQi074	Shed Front Door#2 (Open door)										
		90.9	0		54.9 6	0.1 2	- 3.1 1	0	0	17.7 5	0
FLQi037	Recycling Building/Roof										
		91.94	0		54.2 9	0.1 7	-3	0	0	4.18	0
BS 5228	Laeq = Lwa,T - Kh - K* + Afac K* = max(Ks-Kh, Ascr)										
Element	Label	LwA,T		Kh	Ks- Kh	Asc r	K*	Afa c			
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB		
HAUL002	1. HGV parking maneuvering	74.56		53.0 8			10	0			
HAUL003	2. HGV to Recycle Shed	74.67		52.2 9			10	0			
HAUL004	3. HGV/Skip to Shed	81.42		52.7 6			10	0			
HAUL005	4. Skip Lorry to store site	77.21		52.7 3			10	0			
HAUL006	5. HGV from shed to access road	74.41		52.2 4			10	0			
HAUL007	6. Skip Lorry from store to access road	73.09		52.8 2			10	0			
HAUL008	7. Wheeled loader to fixed skips	71.15		50.4 7			10	0			
IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)							
IPkt080	90 Rochdale Road UF1S/E	405147.7	422858.1	41.0 6							

CALDER VALLEY SKIP HIRE – ENVIRONMENTAL STATEMENT ADDENDUM

ISO 9613-2	L _T = L _w + D _c - A _{div} - A _{atm} - A _{gr} - A _{fol} - A _{hous} - A _{bar} - C _{met}									
Element	Label	L _w	D _c	A _{div}	A _{atm}	A _{gr}	A _{fol}	A _{hous}	A _{bar}	C _{met}
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall	87.64	0	54.89	0.09	-3	0	0	14.95	0
FLQi034	Recycling Building/SW wall	83.52	0	53.82	0.15	-3	0	0	3.32	0
FLQi072	Shed Door#3_Rear (Open door)	89.92	0	53.36	0.12	-3	0	0	5.04	0
FLQi035	Recycling Building/NW wall	87.65	0	53.72	0.13	-3	0	0	5.06	0
FLQi036	Recycling Building/NE wall	82.64	0	54.91	0.09	-3	0	0	10.61	0
FLQi073	Shed Front Door#1 (Open door)	90.9	0	54.68	0.11	-3	0	0	17.67	0
FLQi074	Shed Front Door#2 (Open door)	90.9	0	54.98	0.12	-3	0	0	17.66	0
FLQi037	Recycling Building/Roof	91.94	0	54.38	0.18	-3	0	0	3.63	0
BS 5228	L _{aeq} = L _{wa,T} - K _h - K* + A _{fac} K* = max(K _s -K _h , A _{scr})									
Element	Label	L _{wa,T}	K _h	K _s -K _h	A _{scr}	K*	A _{fac}			
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB	
HAUL002	1. HGV parking maneuvering	74.56	53.1			10	0			
HAUL003	2. HGV to Recycle Shed	74.67	52.31			10	0			
HAUL004	3. HGV/Skip to Shed	81.42	52.78			10	0			
HAUL005	4. Skip Lorry to store site	77.21	52.75			10	0			
HAUL006	5. HGV from shed to access road	74.41	52.26			10	0			
HAUL007	6. Skip Lorry from store to access road	73.09	52.84			10	0			
HAUL008	7. Wheeled loader to fixed skips	71.15	50.6			7.2	0			

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IPKT	IPKT: Name		IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)						
IPkt085	90 Rochdale Road	GF S/W	405143.6	422859.6	34.54						
ISO 9613-2	L _{fT} = L _w + D _c - A _{div} - A _{atm} - A _{gr} - A _{fol} - A _{hous} - A _{bar} - C _{met}										
Element	Label		L _w	D _c	A _{div}	A _{atm}	A _{gr}	A _{fol}	A _{hous}	A _{bar}	C _{met}
			/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall										
			87.64	0	55.15	0.11	-3	0	0	22.37	0
FLQi034	Recycling Building/SW wall										
			83.52	0	53.87	0.11	-3	0	0	9.8	0
FLQi072	Shed Door#3_Rear (Open door)										
			89.92	0	53.58	0.06	-3	0	0	18.02	0
FLQi035	Recycling Building/NW wall										
			87.65	0	53.89	0.07	-3	0	0	18.59	0
FLQi036	Recycling Building/NE wall										
			82.64	0	55.19	0.1	-3.05	0	0	21.72	0
FLQi073	Shed Front Door#1 (Open door)										
			90.9	0	54.9	0.14	-3.1	0	0	23.96	0
FLQi074	Shed Front Door#2 (Open door)										
			90.9	0	55.19	0.15	-3.15	0	0	23.97	0
FLQi037	Recycling Building/Roof										
			91.94	0	54.52	0.12	-3	0	0	5.11	0
BS 5228	L _{aeq} = L _{wa,T} - K _h - K* + A _{fac} K* = max(K _s -K _h , A _{scr})										
Element	Label		L _{wA,T}	K _h	K _s -K _h	A _{scr}	K*	A _{fac}			
			/dB(A)	/m	/dB	/dB	/dB	/dB	/dB		
HAUL002	1. HGV parking maneuvering		74.56		53.29		10	0			
HAUL003	2. HGV to Recycle Shed		74.67		52.52		10	0			
HAUL004	3. HGV/Skip to Shed		81.42		52.97		10	0			
HAUL005	4. Skip Lorry to store site		77.21		52.94		10	0			

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HAUL006	5. HGV from shed to access road	74.41	52.47	10	0
HAUL007	6. Skip Lorry from store to access road	73.09	53.03	10	0
HAUL008	7. Wheeled loader to fixed skips	71.15	50.73	10	0

IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)
IPkt086	90 Rochdale Road UF1S/W	405143.6	422859.6	35.74

ISO 9613-2	LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet									
Element	Label	Lw	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall	87.64	0	55.17	0.1	-3	0	0	21.69	0
FLQi034	Recycling Building/SW wall	83.52	0	54.14	0.12	-3	0	0	5.79	0
FLQi072	Shed Door#3_Rear (Open door)	89.92	0	53.61	0.06	-3	0	0	14.92	0
FLQi035	Recycling Building/NW wall	87.65	0	53.81	0.1	-3	0	0	7.4	0
FLQi036	Recycling Building/NE wall	82.64	0	55.23	0.09	-3	0	0	19.67	0
FLQi073	Shed Front Door#1 (Open door)	90.9	0	54.92	0.13	-3	0	0	23.25	0
FLQi074	Shed Front Door#2 (Open door)	90.9	0	55.21	0.13	-3	0	0	23.25	0
FLQi037	Recycling Building/Roof	91.94	0	54.53	0.11	-3	0	0	4.83	0

BS 5228	Laeq = Lwa,T - Kh - K* + Afac K* = max(Ks-Kh, Ascr)								
Element	Label	LwA,T		Kh	Ks-Kh	Asc r	K*	Afa c	
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB
HAUL002	1. HGV parking maneuvering	74.56		53.3			10	0	

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HAUL003	2. HGV to Recycle Shed	74.67	52.54	10	0
HAUL004	3. HGV/Skip to Shed	81.42	52.99	10	0
HAUL005	4. Skip Lorry to store site	77.21	52.96	10	0
HAUL006	5. HGV from shed to access road	74.41	52.49	10	0
HAUL007	6. Skip Lorry from store to access road	73.09	53.05	10	0
HAUL008	7. Wheeled loader to fixed skips	71.15	50.85	7.19	0

IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)
IPkt097	44 Rochdale Road GF S/W	405315.4	422952.4	42.8

ISO 9613-2	L _{fT} = L _w + D _c - A _{div} - A _{atm} - A _{gr} - A _{fol} - A _{hous} - A _{bar} - C _{met}									
Element	Label	L _w	D _c	A _{div}	A _{atm}	A _{gr}	A _{fol}	A _{hous}	A _{bar}	C _{met}
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall	87.64	0	55.52	0.09	-3	0	0	13.78	0
FLQi034	Recycling Building/SW wall	83.52	0	56.09	0.12	-3.13	0	0	11.29	0
FLQi072	Shed Door#3_Rear (Open door)	89.92	0	55.96	0.09	-3.23	0	0	9.84	0
FLQi035	Recycling Building/NW wall	87.65	0	55	0.17	-3	0	0	1.97	0
FLQi036	Recycling Building/NE wall	82.64	0	54.34	0.16	-3.02	0	0	1.92	0
FLQi073	Shed Front Door#1 (Open door)	90.9	0	54	0.25	-3	0	0	3.84	0
FLQi074	Shed Front Door#2 (Open door)	90.9	0	54.28	0.26	-3.01	0	0	3.61	0
FLQi037	Recycling Building/Roof									

CALDER VALLEY SKIP HIRE – ENVIRONMENTAL STATEMENT ADDENDUM

		91.94	0		55.19	0.16	-3	0	0	4.69	0
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BS 5228 Laeq = Lwa,T - Kh - K* + Afac | K* = max(Ks-Kh, Ascr)

Element	Label	Lwa,T	Kh	Ks-Kh	Asc	K*	Afac		
		/dB(A) /m	/dB	/dB	/dB	/dB	/dB	/dB	/dB
HAUL002	1. HGV parking maneuvering	74.56	49.82			10	0		
HAUL003	2. HGV to Recycle Shed	74.67	50.59			5.75	0		
HAUL004	3. HGV/Skip to Shed	81.42	50.99			2.93	0		
HAUL005	4. Skip Lorry to store site	77.21	51.27			2.83	0		
HAUL006	5. HGV from shed to access road	74.41	50.3			5	0		
HAUL007	6. Skip Lorry from store to access road	73.09	50.8			3.46	0		
HAUL008	7. Wheeled loader to fixed skips	71.15	53.94			2.53	0		

IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)
IPkt098	44 Rochdale Road UF1S/W	405315.4	422952.4	44.21

ISO 9613-2	LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet									
Element	Label	Lw	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall	87.64	0	55.52	0.09	-3	0	0	13.74	0
FLQi034	Recycling Building/SW wall	83.52	0	56.09	0.12	-3	0	0	11	0
FLQi072	Shed Door#3_Rear (Open door)	89.92	0	55.97	0.09	-3	0	0	9.77	0
FLQi035	Recycling Building/NW wall	87.65	0	54.88	0.15	-3	0	0	0.06	0
FLQi036	Recycling Building/NE wall	82.64	0	54.37	0.14	-3	0	0	0.02	0
FLQi073	Shed Front Door#1 (Open door)									

CALDER VALLEY SKIP HIRE – ENVIRONMENTAL STATEMENT ADDENDUM

		90.9	0		54.0 1	0.1 7	-3	0	0	0.14	0
FLQi074	Shed Front Door#2 (Open door)										
		90.9	0		54.2 9	0.1 7	-3	0	0	0.09	0
FLQi037	Recycling Building/Roof										
		91.94	0		55.2 7	0.1 7	-3	0	0	4.47	0
BS 5228	Laeq = Lwa,T - Kh - K* + Afac K* = max(Ks-Kh, Ascr)										
Element	Label	LwA,T		Kh	Ks-Kh	Asc r	K*	Afa c			
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB		
HAUL002	1. HGV parking maneuvering	74.56		49.8 5			10	0			
HAUL003	2. HGV to Recycle Shed	74.67		50.6 5			1.0 1	0			
HAUL004	3. HGV/Skip to Shed	81.42		51.0 4			1.9 8	0			
HAUL005	4. Skip Lorry to store site	77.21		51.3 3			0.5 5	0			
HAUL006	5. HGV from shed to access road	74.41		50.5 3			1.3 2	0			
HAUL007	6. Skip Lorry from store to access road	73.09		50.7 7			2.0 9	0			
HAUL008	7. Wheeled loader to fixed skips	71.15		53.8			0.5 9	0			
IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)							
IPkt111	44 Rochdale Road GF S/E	405323	422953. 9	43.6 6							
ISO 9613-2	LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet										
Element	Label	Lw	Dc	Adiv	Aat m	Agr	Afo l	Aho us	Aba r	Cm et	
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	
FLQi033	Recycling Building/SE wall										
		87.64	0	55.6 7	0.0 9	-3	0	0	13.5 6	0	
FLQi034	Recycling Building/SW wall										
		83.52	0	56.2 9	0.1 2	- 3.1 5	0	0	11.5 2	0	
FLQi072	Shed Door#3_Rear (Open door)										
		89.92	0	56.1 6	0.0 9	- 3.2 6	0	0	10.0 2	0	

CALDER VALLEY SKIP HIRE – ENVIRONMENTAL STATEMENT ADDENDUM

FLQi035	Recycling Building/NW wall											
		87.65	0			55.1 2	0.1 9	-3	0	0	1.96	0
FLQi036	Recycling Building/NE wall											
		82.64	0			54.5 1	0.1 6	- 3.0 3	0	0	1.18	0
FLQi073	Shed Front Door#1 (Open door)											
		90.9	0			54.1 8	0.2 4	-3	0	0	2.33	0
FLQi074	Shed Front Door#2 (Open door)											
		90.9	0			54.4 4	0.2 4	- 3.0 4	0	0	2.12	0
FLQi037	Recycling Building/Roof											
		91.94	0			55.3 7	0.1 6	-3	0	0	4.69	0
BS 5228	Laeq = Lwa,T - Kh - K* + Afac K* = max(Ks-Kh, Ascr)											
Element	Label	LwA,T		Kh	Ks- Kh	Asc r	K*	Afa c				
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB	/dB		
HAUL002	1. HGV parking maneuvering	74.56		49.9 1			10	0				
HAUL003	2. HGV to Recycle Shed	74.67		50.8			1.2 6	0				
HAUL004	3. HGV/Skip to Shed	81.42		51.1 4			2.1 3	0				
HAUL005	4. Skip Lorry to store site	77.21		51.3 8			1.5 3	0				
HAUL006	5. HGV from shed to access road	74.41		50.6 6			1.3 2	0				
HAUL007	6. Skip Lorry from store to access road	73.09		50.6 3			6.6 2	0				
HAUL008	7. Wheeled loader to fixed skips	71.15		53.8 9			1.3 9	0				
IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)								
IPkt112	44 Rochdale Road UF1S/E	405323	422953.9	44.0 4								
ISO 9613-2	LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet											
Element	Label	Lw	Dc	Adiv	Aat m	Agr	Afo l	Aho us	Aba r	Cm et		
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB		
FLQi033	Recycling Building/SE wall											

CALDER VALLEY SKIP HIRE – ENVIRONMENTAL STATEMENT ADDENDUM

		87.64	0		55.6	0.0	-3	0	0	13.5	0
					7	9				3	
FLQi034	Recycling Building/SW wall										
		83.52	0		56.2	0.1	-3	0	0	11.0	0
					8	2				8	
FLQi072	Shed Door#3_Rear (Open door)										
		89.92	0		56.1	0.0	-3	0	0	9.95	0
					7	9					
FLQi035	Recycling Building/NW wall										
		87.65	0		55.0	0.1	-3	0	0	0	0
					8	5					
FLQi036	Recycling Building/NE wall										
		82.64	0		54.5	0.1	-3	0	0	0	0
					2	4					
FLQi073	Shed Front Door#1 (Open door)										
		90.9	0		54.1	0.1	-3	0	0	0	0
					9	6					
FLQi074	Shed Front Door#2 (Open door)										
		90.9	0		54.4	0.1	-3	0	0	0	0
					5	7					
FLQi037	Recycling Building/Roof										
		91.94	0		55.3	0.1	-3	0	0	4.47	0
					8	7					
BS 5228 Laeq = Lwa,T - Kh - K* + Afac K* = max(Ks-Kh, Ascr)											
Element	Label	LwA,T		Kh	Ks-Kh	Asc r	K*	Afa c			
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB	/dB	
HAUL002	1. HGV parking maneuvering	74.56		50			9.4	0			
							4				
HAUL003	2. HGV to Recycle Shed	74.67		50.8			1.2	0			
				2			6				
HAUL004	3. HGV/Skip to Shed	81.42		51.1			1.5	0			
				6			9				
HAUL005	4. Skip Lorry to store site	77.21		51.4			0.5	0			
				5			5				
HAUL006	5. HGV from shed to access road	74.41		50.6			1.3	0			
				8			2				
HAUL007	6. Skip Lorry from store to access road	73.09		50.9			2.4	0			
				7			9				
HAUL008	7. Wheeled loader to fixed skips	71.15		53.9			1.3	0			
							9				
IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)							
IPkt113	28 Rochdale Road GF S/W	405357.2	422976.8	40.63							

CALDER VALLEY SKIP HIRE – ENVIRONMENTAL STATEMENT ADDENDUM

ISO 9613-2 LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet

Element	Label	Lw	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall	87.64	0	57.14	0.1	-3.13	0	0	13.34	0
FLQi034	Recycling Building/SW wall	83.52	0	57.78	0.14	-3.25	0	0	12.61	0
FLQi072	Shed Door#3_Rear (Open door)	89.92	0	57.7	0.1	-3.42	0	0	10.67	0
FLQi035	Recycling Building/NW wall	87.65	0	56.84	0.22	-3	0	0	2.86	0
FLQi036	Recycling Building/NE wall	82.64	0	56.13	0.2	-3.09	0	0	1.95	0
FLQi073	Shed Front Door#1 (Open door)	90.9	0	55.91	0.24	-3.19	0	0	3.1	0
FLQi074	Shed Front Door#2 (Open door)	90.9	0	56.08	0.27	-3.21	0	0	3.02	0
FLQi037	Recycling Building/Roof	91.94	0	56.95	0.18	-3	0	0	4.76	0

BS 5228 Laeq = Lwa,T - Kh - K* + Afac | K* = max(Ks-Kh, Ascr)

Element	Label	Lwa,T	Kh	Ks-Kh	Asc	K*	Afac
		/dB(A)	/m	/dB	/dB	/dB	/dB
HAUL002	1. HGV parking maneuvering	74.56	51.56			10	0
HAUL003	2. HGV to Recycle Shed	74.67	52.37			10	0
HAUL004	3. HGV/Skip to Shed	81.42	52.68			9.38	0
HAUL005	4. Skip Lorry to store site	77.21	52.97			8.02	0
HAUL006	5. HGV from shed to access road	74.41	52.43			8.2	0
HAUL007	6. Skip Lorry from store to access road	73.09	52.27			10	0

CALDER VALLEY SKIP HIRE – ENVIRONMENTAL STATEMENT ADDENDUM

HAUL008	7. Wheeled loader to fixed skips		71.15		55.27		7.37	0			
IPKT	IPKT: Name		IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)						
IPkt114	28 Rochdale Road	UF1S/W	405357.2	422976.8	41.72						
ISO 9613-2	L _{fT} = L _w + D _c - A _{div} - A _{atm} - A _{gr} - A _{fol} - A _{hous} - A _{bar} - C _{met}										
Element	Label		L _w	D _c	A _{div}	A _{atm}	A _{gr}	A _{fol}	A _{hous}	A _{bar}	C _{met}
			/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall										
			87.64	0	57.15	0.11	-3	0	0	12.52	0
FLQi034	Recycling Building/SW wall										
			83.52	0	57.78	0.14	-3	0	0	11.39	0
FLQi072	Shed Door#3_Rear (Open door)										
			89.92	0	57.71	0.11	-3	0	0	10.4	0
FLQi035	Recycling Building/NW wall										
			87.65	0	56.82	0.21	-3	0	0	1.21	0
FLQi036	Recycling Building/NE wall										
			82.64	0	56.14	0.18	-3	0	0	0.69	0
FLQi073	Shed Front Door#1 (Open door)										
			90.9	0	55.92	0.28	-3	0	0	2.18	0
FLQi074	Shed Front Door#2 (Open door)										
			90.9	0	56.09	0.28	-3	0	0	2.26	0
FLQi037	Recycling Building/Roof										
			91.94	0	56.96	0.19	-3	0	0	4.65	0
BS 5228	L _{aeq} = L _{wa,T} - K _h - K* + A _{fac} K* = max(K _s -K _h , A _{scr})										
Element	Label		L _{wA,T}		K _h	K _s -K _h	A _{scr}	K*	A _{fac}		
			/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB	
HAUL002	1. HGV parking maneuvering		74.56		51.58			10	0		
HAUL003	2. HGV to Recycle Shed		74.67		52.53			6.77	0		
HAUL004	3. HGV/Skip to Shed		81.42		52.69			5.53	0		

CALDER VALLEY SKIP HIRE – ENVIRONMENTAL STATEMENT ADDENDUM

HAUL005	4. Skip Lorry to store site	77.21	52.95	5	0
HAUL006	5. HGV from shed to access road	74.41	52.41	6.29	0
HAUL007	6. Skip Lorry from store to access road	73.09	52.5	7.21	0
HAUL008	7. Wheeled loader to fixed skips	71.15	55.2	4.74	0

IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)
IPkt121	28 Rochdale Road GF S/E	405363.5	422974.7	39.53

ISO 9613-2	LfT = Lw + Dc - Adiv - Aatm - Agr - Afol - Ahous - Abar - Cmet									
Element	Label	Lw	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall	87.64	0	56.99	0.1	-3.02	0	0	14.64	0
FLQi034	Recycling Building/SW wall	83.52	0	57.85	0.15	-3.1	0	0	18.38	0
FLQi072	Shed Door#3_Rear (Open door)	89.92	0	57.74	0.15	-3.47	0	0	22.72	0
FLQi035	Recycling Building/NW wall	87.65	0	56.79	0.17	-3	0	0	4.92	0
FLQi036	Recycling Building/NE wall	82.64	0	56.15	0.16	-3.07	0	0	1.13	0
FLQi073	Shed Front Door#1 (Open door)	90.9	0	55.92	0.17	-3.26	0	0	5.05	0
FLQi074	Shed Front Door#2 (Open door)	90.9	0	56.08	0.18	-3.3	0	0	4.95	0
FLQi037	Recycling Building/Roof	93.39	0	57.17	0.17	-3	0	0	1.65	0
BS 5228	Laeq = Lwa,T - Kh - K* + Afac K* = max(Ks-Kh, Ascr)									

CALDER VALLEY SKIP HIRE – ENVIRONMENTAL STATEMENT ADDENDUM

Element	Label	LwA,T	Kh	Ks-Kh	Asc	K*	Afac
		/dB(A) /m	/dB	/dB	/dB	/dB	/dB /dB
HAUL002	1. HGV parking maneuvering	74.56	51.52			10	0
HAUL003	2. HGV to Recycle Shed	74.67	52.36			10	0
HAUL004	3. HGV/Skip to Shed	81.42	52.59			10	0
HAUL005	4. Skip Lorry to store site	77.21	52.91			10	0
HAUL006	5. HGV from shed to access road	74.41	52.21			10	0
HAUL007	6. Skip Lorry from store to access road	73.09	52.24			10	0
HAUL008	7. Wheeled loader to fixed skips	71.15	55.36			10	0

IPKT	IPKT: Name	IPKT: x /m	IPKT: y /m	Lr(IP) /dB(A)
IPkt122	28 Rochdale Road UF1S/E	405363.5	422974.7	40.48

ISO 9613-2	L _T = L _w + D _c - A _{div} - A _{atm} - A _{gr} - A _{fol} - A _{hous} - A _{bar} - C _{met}									
Element	Label	L _w	D _c	A _{div}	A _{atm}	A _{gr}	A _{fol}	A _{hous}	A _{bar}	C _{met}
		/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB	/dB
FLQi033	Recycling Building/SE wall	87.64	0	57.15	0.11	-3	0	0	12.28	0
FLQi034	Recycling Building/SW wall	83.52	0	57.82	0.14	-3	0	0	11.44	0
FLQi072	Shed Door#3_Rear (Open door)	89.92	0	57.74	0.11	-3	0	0	10.54	0
FLQi035	Recycling Building/NW wall	87.65	0	56.91	0.21	-3	0	0	1.79	0
FLQi036	Recycling Building/NE wall	82.64	0	56.14	0.17	-3	0	0	0.87	0
FLQi073	Shed Front Door#1 (Open door)	90.9	0	55.93	0.29	-3	0	0	3.7	0
FLQi074	Shed Front Door#2 (Open door)	90.9	0	56.09	0.28	-3	0	0	3.71	0
FLQi037	Recycling Building/Roof									

CALDER VALLEY SKIP HIRE – ENVIRONMENTAL STATEMENT ADDENDUM

		91.94	0		56.9	0.1	-3	0	0	4.75	0
					8	8					
BS 5228 $L_{aeq} = L_{wa,T} - K_h - K^* + A_{fac}$ $K^* = \max(K_s - K_h, A_{scr})$											
Element	Label	$L_{wa,T}$		K_h	$K_s - K_h$	A_{scr}	K^*	A_{fac}			
		/dB(A)	/m	/dB	/dB	/dB	/dB	/dB	/dB		
HAUL002	1. HGV parking maneuvering	74.56		51.53			10	0			
HAUL003	2. HGV to Recycle Shed	74.67		52.37			10	0			
HAUL004	3. HGV/Skip to Shed	81.42		52.67			9.38	0			
HAUL005	4. Skip Lorry to store site	77.21		52.96			7.35	0			
HAUL006	5. HGV from shed to access road	74.41		52.22			10	0			
HAUL007	6. Skip Lorry from store to access road	73.09		52.47			7.55	0			
HAUL008	7. Wheeled loader to fixed skips	71.15		55.32			7.48	0			