

planning
transport
design
environment
infrastructure

APPENDIX 7.2: Traffic Noise Assessment Results

**Wheelabrator Kemsley Generating Station (K3) and Wheelabrator
Kemsley North (WKN) Waste to Energy Facility DCO**

S42 Draft ES

PINS ref: EN010083



K3 operation. Opening year
Daytime

Road Link		K3 Operational HGV Assessment - Off-site				
		Base		Base + K3		dB Increase
		Total	HGVs	Total	HGVs	
1	Swale Way East of B2005 Grovehurst Roundabout	22014	15%	22082	16%	0.1
2	Barge Way North of Swale Roundabout	7364	35%	7433	36%	0.1
3	Barge Way, East of Fleet End Roundabout	3757	35%	3826	36%	0.2
4	A249 South of Swale Way Junction	40084	13%	40151	13%	0.0
5	A249 between the A2 and M2	55811	12%	55880	12%	0.0
6	M2 West	74058	11%	74102	11%	0.0
7	M2 East	67129	11%	67144	11%	0.0
8	Swale Way north of Reams Way Junction	15200	8%	15212	8%	0.0
9	Swale Way south of Reams Way Junction	15244	8%	15256	8%	0.0
10	Swale Way south of Ridham Avenue Roundabout	13908	7%	13920	7%	0.0
11	A249, North of Swale Way Junction	36051	8%	36063	8%	0.0

Night-time

Road Link		K3 Operational HGV Assessment - Off-site					
		Base		Base + K3		dB Increase	
		Total	HGVs	Total	HGVs		
68	1	Swale Way East of B2005 Grovehurst Roundabout	2921	21%	2921	21%	0.0
69	2	Barge Way North of Swale Roundabout	1938	25%	1938	25%	0.0
69	3	Barge Way, East of Fleet End Roundabout	747	30%	747	30%	0.0
67	4	A249 South of Swale Way Junction	4817	20%	4817	20%	0.0
69	5	A249 between the A2 and M2	6758	18%	6758	18%	0.0
44	6	M2 West	7794	20%	7794	20%	0.0
15	7	M2 East	7080	16%	7080	16%	0.0
12	8	Swale Way north of Reams Way Junction	1333	12%	1333	12%	0.0
12	9	Swale Way south of Reams Way Junction	1404	11%	1404	11%	0.0
12	10	Swale Way south of Ridham Avenue Roundabout	1070	10%	1070	10%	0.0
12	11	A249, North of Swale Way Junction	3442	13%	3442	13%	0.0

WKN Construction Year
Daytime

Road Link		WKN Construction HGV Assessment - Off-site				
		Base		Base + WKN		dB Increase
		Total	HGVs	Total	HGVs	
1	Swale Way East of B2005 Grovehurst Roundabout	22014	15%	22920	15%	0.1
2	Barge Way North of Swale Roundabout	7364	35%	8270	32%	0.2
3	Barge Way, East of Fleet End Roundabout	3757	35%	4662	30%	0.5
4	A249 South of Swale Way Junction	40084	13%	40955	13%	0.1
5	A249 between the A2 and M2	55811	12%	56646	12%	0.1
6	M2 West	74058	11%	74339	11%	0.0
7	M2 East	67129	11%	67246	11%	0.0
8	Swale Way north of Reams Way Junction	15200	8%	15200	8%	0.0
9	Swale Way south of Reams Way Junction	15244	8%	15244	8%	0.0
10	Swale Way south of Ridham Avenue Roundabout	13908	7%	13908	7%	0.0
11	A249, North of Swale Way Junction	36051	8%	36051	8%	0.0

Night-time

Road Link		WKN Construction HGV Assessment - Off-site				
		Base		Base + WKN		dB Increase
		Total	HGVs	Total	HGVs	
1	Swale Way East of B2005 Grovehurst Roundabout	2921	21%	3327	19%	0.2
2	Barge Way North of Swale Roundabout	1938	25%	2344	21%	0.2
3	Barge Way, East of Fleet End Roundabout	747	30%	1154	19%	0.6
4	A249 South of Swale Way Junction	4817	20%	5206	19%	0.2
5	A249 between the A2 and M2	6758	18%	7130	17%	0.1
6	M2 West	7794	20%	7907	19%	0.0
7	M2 East	7080	16%	7136	16%	0.0
8	Swale Way north of Reams Way Junction	1333	12%	1333	12%	0.0
9	Swale Way south of Reams Way Junction	1404	11%	1404	11%	0.0
10	Swale Way south of Ridham Avenue Roundabout	1070	10%	1070	10%	0.0
11	A249, North of Swale Way Junction	3442	13%	3442	13%	0.0

WKN Opening Year
Daytime

Road Link		WKN Opening Year Assessment - Off-site				
		Base		Base + WKN		dB Increase
		Total	HGVs	Total	HGVs	
1	Swale Way East of B2005 Grovehurst Roundabout	22014	25%	22337	16%	0.2
2	Barge Way North of Swale Roundabout	7364	30%	7691	37%	0.4
3	Barge Way, East of Fleet End Roundabout	3757	20%	4083	38%	0.7
4	A249 South of Swale Way Junction	40084	18%	40401	14%	0.1
5	A249 between the A2 and M2	55811	20%	56131	12%	0.1
6	M2 West	74058	16%	74206	11%	0.0
7	M2 East	67129	12%	67163	11%	0.0
8	Swale Way north of Reams Way Junction	15200	11%	15212	8%	0.0
9	Swale Way south of Reams Way Junction	15244	10%	15256	8%	0.0
10	Swale Way south of Ridham Avenue Roundabout	13908	13%	13920	7%	0.0
11	A249, North of Swale Way Junction	36051	0%	36065	8%	0.0

Night-time

Road Link		WKN Opening Year Assessment - Off-site				
		Base		Base + WKN		dB Increase
		Total	HGVs	Total	HGVs	
1	Swale Way East of B2005 Grovehurst Roundabout	2921	21%	2934	21%	0.0
2	Barge Way North of Swale Roundabout	1938	25%	1951	25%	0.0
3	Barge Way, East of Fleet End Roundabout	747	30%	761	29%	0.0
4	A249 South of Swale Way Junction	4817	20%	4830	20%	0.0
5	A249 between the A2 and M2	6758	18%	6770	18%	0.0
6	M2 West	7794	20%	7798	20%	0.0
7	M2 East	7080	16%	7082	16%	0.0
8	Swale Way north of Reams Way Junction	1333	12%	1333	12%	0.0
9	Swale Way south of Reams Way Junction	1404	11%	1404	11%	0.0
10	Swale Way south of Ridham Avenue Roundabout	1070	10%	1070	10%	0.0
11	A249, North of Swale Way Junction	3442	13%	3443	13%	0.0

K3 Opening + WKN Construction
Daytime

Road Link		WKN Opening Year Assessment - Off-site				
		Base		Base + K3 + WKN const		dB Increase
		Total	HGVs	Total	HGVs	
1	Swale Way East of B2005 Grovehurst Roundabout	22014	15%	22988	16%	0.2
2	Barge Way North of Swale Roundabout	7364	35%	8338	33%	0.3
3	Barge Way, East of Fleet End Roundabout	3757	35%	4731	31%	0.6
4	A249 South of Swale Way Junction	40084	13%	41022	13%	0.1
5	A249 between the A2 and M2	55811	12%	56715	12%	0.1
6	M2 West	74058	11%	74382	11%	0.0
7	M2 East	67129	11%	67261	11%	0.0
8	Swale Way north of Reams Way Junction	15200	8%	15212	8%	0.0
9	Swale Way south of Reams Way Junction	15244	8%	15256	8%	0.0
10	Swale Way south of Ridham Avenue Roundabout	13908	7%	13920	7%	0.0
11	A249, North of Swale Way Junction	36051	8%	36063	8%	0.0

Night-time

Road Link		WKN Opening Year Assessment - Off-site				
		Base		Base + K3 + WKN const		dB Increase
		Total	HGVs	Total	HGVs	
1	Swale Way East of B2005 Grovehurst Roundabout	2921	21%	3327	19%	0.2
2	Barge Way North of Swale Roundabout	1938	25%	2344	21%	0.2
3	Barge Way, East of Fleet End Roundabout	747	30%	1154	19%	0.6
4	A249 South of Swale Way Junction	4817	20%	5206	19%	0.2
5	A249 between the A2 and M2	6758	18%	7130	17%	0.1
6	M2 West	7794	20%	7907	19%	0.0
7	M2 East	7080	16%	7136	16%	0.0
8	Swale Way north of Reams Way Junction	1333	12%	1333	12%	0.0
9	Swale Way south of Reams Way Junction	1404	11%	1404	11%	0.0
10	Swale Way south of Ridham Avenue Roundabout	1070	10%	1070	10%	0.0
11	A249, North of Swale Way Junction	3442	13%	3442	13%	0.0

CUMULATIVE - K3 operation. Opening year
Daytime

Road Link		K3 Operational HGV Assessment - Off-site				
		Base		Base + K3		dB Increase
		Total	HGVs	Total	HGVs	
1	Swale Way East of B2005 Grovehurst Roundabout	22014	15%	22534	16%	0.2
2	Barge Way North of Swale Roundabout	7364	35%	7513	36%	0.2
3	Barge Way, East of Fleet End Roundabout	3757	35%	3906	37%	0.4
4	A249 South of Swale Way Junction	40084	13%	40587	13%	0.1
5	A249 between the A2 and M2	55811	12%	56299	12%	0.1
6	M2 West	74058	11%	74255	11%	0.0
7	M2 East	67129	11%	67202	11%	0.0
8	Swale Way north of Reams Way Junction	15200	8%	15586	8%	0.1
9	Swale Way south of Reams Way Junction	15244	8%	15630	8%	0.1
10	Swale Way south of Ridham Avenue Roundabout	13908	7%	13956	7%	0.0
11	A249, North of Swale Way Junction	36051	8%	36066	8%	0.0

Night-time

Road Link		K3 Operational HGV Assessment - Off-site					
		Base		Base + K3		dB Increase	
		Total	HGVs	Total	HGVs		
520	1	Swale Way East of B2005 Grovehurst Roundabout	2921	21%	3098	20%	0.1
149	2	Barge Way North of Swale Roundabout	1938	25%	1938	25%	0.0
149	3	Barge Way, East of Fleet End Roundabout	747	30%	747	30%	0.0
503	4	A249 South of Swale Way Junction	4817	20%	4987	20%	0.1
488	5	A249 between the A2 and M2	6758	18%	6921	18%	0.1
197	6	M2 West	7794	20%	7844	20%	0.0
73	7	M2 East	7080	16%	7105	16%	0.0
386	8	Swale Way north of Reams Way Junction	1333	12%	1512	11%	0.3
386	9	Swale Way south of Reams Way Junction	1404	11%	1583	10%	0.3
48	10	Swale Way south of Ridham Avenue Roundabout	1070	10%	1079	10%	0.0
14	11	A249, North of Swale Way Junction	3442	13%	3443	13%	0.0

CUMULATIVE - WKN Construction Year
Daytime

Road Link		WKN Construction HGV Assessment - Off-site				
		Base		Base + WKN		dB Increase
		Total	HGVs	Total	HGVs	
1	Swale Way East of B2005 Grovehurst Roundabout	22014	15%	23372	15%	0.2
2	Barge Way North of Swale Roundabout	7364	35%	8350	33%	0.3
3	Barge Way, East of Fleet End Roundabout	3757	35%	4742	31%	0.7
4	A249 South of Swale Way Junction	40084	13%	41391	13%	0.1
5	A249 between the A2 and M2	55811	12%	57065	12%	0.1
6	M2 West	74058	11%	74492	11%	0.0
7	M2 East	67129	11%	67303	11%	0.0
8	Swale Way north of Reams Way Junction	15200	8%	15574	8%	0.1
9	Swale Way south of Reams Way Junction	15244	8%	15618	8%	0.1
10	Swale Way south of Ridham Avenue Roundabout	13908	7%	13944	7%	0.0
11	A249, North of Swale Way Junction	36051	8%	36054	8%	0.0

Night-time

Road Link		WKN Construction HGV Assessment - Off-site					
		Base		Base + WKN		dB Increase	
		Total	HGVs	Total	HGVs		
	1	Swale Way East of B2005 Grovehurst Roundabout	2921	21%	3505	18%	0.3
	2	Barge Way North of Swale Roundabout	1938	25%	2344	21%	0.2
	3	Barge Way, East of Fleet End Roundabout	747	30%	1154	19%	0.6
	4	A249 South of Swale Way Junction	4817	20%	5377	18%	0.3
	5	A249 between the A2 and M2	6758	18%	7293	17%	0.2
	6	M2 West	7794	20%	7956	19%	0.0
	7	M2 East	7080	16%	7160	16%	0.0
	8	Swale Way north of Reams Way Junction	1333	12%	1512	11%	0.3
	9	Swale Way south of Reams Way Junction	1404	11%	1583	10%	0.3
	10	Swale Way south of Ridham Avenue Roundabout	1070	10%	1079	10%	0.0
	11	A249, North of Swale Way Junction	3442	13%	3443	13%	0.0

CUMULATIVE - WKN Opening Year
Daytime

Road Link		WKN Opening Year Assessment - Off-site				dB Increase
		Base		Base + WKN		
		Total	HGVs	Total	HGVs	
1	Swale Way East of B2005 Grovehurst Roundabout	22014	25%	22434	16%	0.2
2	Barge Way North of Swale Roundabout	7364	30%	7691	37%	0.4
3	Barge Way, East of Fleet End Roundabout	3757	20%	4083	38%	0.7
4	A249 South of Swale Way Junction	40084	18%	41995	13%	0.2
5	A249 between the A2 and M2	55811	20%	59158	12%	0.2
6	M2 West	74058	16%	74993	11%	0.1
7	M2 East	67129	12%	67395	11%	0.0
8	Swale Way north of Reams Way Junction	15200	11%	15308	8%	0.1
9	Swale Way south of Reams Way Junction	15244	10%	15353	8%	0.1
10	Swale Way south of Ridham Avenue Roundabout	13908	13%	14017	7%	0.1
11	A249, North of Swale Way Junction	36051	0%	36599	8%	0.1

Night-time

Road Link		WKN Opening Year Assessment - Off-site				dB Increase
		Base		Base + WKN		
		Total	HGVs	Total	HGVs	
1	Swale Way East of B2005 Grovehurst Roundabout	2921	21%	2934	21%	0.0
2	Barge Way North of Swale Roundabout	1938	25%	1951	25%	0.0
3	Barge Way, East of Fleet End Roundabout	747	30%	761	29%	0.0
4	A249 South of Swale Way Junction	4817	20%	4830	20%	0.0
5	A249 between the A2 and M2	6758	18%	6770	18%	0.0
6	M2 West	7794	20%	7798	20%	0.0
7	M2 East	7080	16%	7082	16%	0.0
8	Swale Way north of Reams Way Junction	1333	12%	1333	12%	0.0
9	Swale Way south of Reams Way Junction	1404	11%	1404	11%	0.0
10	Swale Way south of Ridham Avenue Roundabout	1070	10%	1070	10%	0.0
11	A249, North of Swale Way Junction	3442	13%	3443	13%	0.0

CUMULATIVE - K3 Opening + WKN Construction
Daytime

Road Link		WKN Opening Year Assessment - Off-site				dB Increase
		Base		Base + K3 + WKN const		
		Total	HGVs	Total	HGVs	
1	Swale Way East of B2005 Grovehurst Roundabout	22014	15%	23440	16%	0.3
2	Barge Way North of Swale Roundabout	7364	35%	8418	33%	0.4
3	Barge Way, East of Fleet End Roundabout	3757	35%	4811	32%	0.8
4	A249 South of Swale Way Junction	40084	13%	41458	13%	0.2
5	A249 between the A2 and M2	55811	12%	57134	12%	0.1
6	M2 West	74058	11%	74535	11%	0.0
7	M2 East	67129	11%	67319	11%	0.0
8	Swale Way north of Reams Way Junction	15200	8%	15586	8%	0.1
9	Swale Way south of Reams Way Junction	15244	8%	15630	8%	0.1
10	Swale Way south of Ridham Avenue Roundabout	13908	7%	13956	7%	0.0
11	A249, North of Swale Way Junction	36051	8%	36066	8%	0.0

Night-time

Road Link		WKN Opening Year Assessment - Off-site				dB Increase
		Base		Base + K3 + WKN const		
		Total	HGVs	Total	HGVs	
1	Swale Way East of B2005 Grovehurst Roundabout	2921	21%	3505	18%	0.3
2	Barge Way North of Swale Roundabout	1938	25%	2344	21%	0.2
3	Barge Way, East of Fleet End Roundabout	747	30%	1154	19%	0.6
4	A249 South of Swale Way Junction	4817	20%	5377	18%	0.3
5	A249 between the A2 and M2	6758	18%	7293	17%	0.2
6	M2 West	7794	20%	7956	19%	0.0
7	M2 East	7080	16%	7160	16%	0.0
8	Swale Way north of Reams Way Junction	1333	12%	1512	11%	0.3
9	Swale Way south of Reams Way Junction	1404	11%	1583	10%	0.3
10	Swale Way south of Ridham Avenue Roundabout	1070	10%	1079	10%	0.0
11	A249, North of Swale Way Junction	3442	13%	3443	13%	0.0

CUMULATIVE - K3 Opening + WKN opening
Daytime

Road Link		WKN Opening Year Assessment - Off-site				
		Base		Base + K3 + WKN const		dB Increase
		Total	HGVs	Total	HGVs	
1	Swale Way East of B2005 Grovehurst Roundabout	22014	15%	22502	17%	0.3
2	Barge Way North of Swale Roundabout	7364	35%	7759	37%	0.5
3	Barge Way, East of Fleet End Roundabout	3757	35%	4152	39%	0.8
4	A249 South of Swale Way Junction	40084	13%	42063	13%	0.2
5	A249 between the A2 and M2	55811	12%	59226	12%	0.3
6	M2 West	74058	11%	75036	11%	0.1
7	M2 East	67129	11%	67410	11%	0.0
8	Swale Way north of Reams Way Junction	15200	8%	15320	8%	0.1
9	Swale Way south of Reams Way Junction	15244	8%	15365	9%	0.1
10	Swale Way south of Ridham Avenue Roundabout	13908	7%	14029	7%	0.1
11	A249, North of Swale Way Junction	36051	8%	36611	8%	0.1