

Appendix 7A: Noise Survey

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7A. Noise Survey Information

7A.1 Monitoring Location 1 (M1) Staple Road

7A.1.1 Table 7A.1 below provides information on the survey location and conditions for M1.

Table 7A.1: Location M1 survey location details

Location M1	Description
Location description and OS grid reference (Easting/Northing)	Melrose, Staple Road, South Killingholme ///squaring.nips.rocker 515099, 416451
Monitoring date and time	22/04/2022 13:45 - 03/05/2022 10:56
Monitoring height above ground	1.5 m
Distance to nearest building facade	Greater than 3.5 m
Average wind speeds (m/s)	19 mph on set up
Wind direction	NE on set up
Temperature (°C)	14°C on set up
Cloud coverage	0/8 on set up
Sound Level Meter and Serial No.	Rion NL-52 386766
Field Calibrator and Serial No.	B&K 4321 2217877
Description of the sound climate	Dominated by Phillips 66 refinery noise and wind

7A.1.2 Plate 7A.1 below shows a photograph of the monitoring location.



Plate 7A.1: Location M1 at Staple Road looking towards the receptor

7A.2 Monitoring Location 2 (M2) Clarkes Road

7A.2.1 Table 7A.2 below provides information on the survey location and conditions for M2. A weather monitoring station recording the wind speed, wind direction and rainfall was also set up at M2 for the duration of the monitoring period.

Table 7A.2: Location M2 survey location details

Location M2	Description
Location description and OS grid reference (Easting/Northing)	Westfield Farm, Clarkes Road, North Killingholme ///pages.visions.arise 514612, 416811
Monitoring date and time	22/04/2022 15:45 – 03/05/2022 13:30
Monitoring height above ground	1.5 m
Distance to nearest building facade	Greater than 3.5 m
Average wind speeds (m/s)	19 mph on set up
Wind direction	NE on set up
Temperature (°C)	14°C on set up
Cloud coverage	0/8 on set up
Sound Level Meter and Serial No.	Rion NL-52 386762
Field Calibrator and Serial No.	B&K 4321 2217877
Weather station and Serial No.	RS Hydro Vaisala Weather Transmitter WXT533 Serial no. P1540170 and Outpost COBRA2 Series 3G logger Serial no. OP46548
Description of the sound climate	Dominated by Phillips 66 refinery noise. Other sound from nearby railway and birdsong

7A.2.2 Plate 7A.2 below shows a photograph of the monitoring location.



Plate 7A.2: Location M2 at Clarkes Road looking towards the receptor

7A.3 Monitoring Location 3 (M3) Church Lane

7A.3.1 Table 7A.3 below provides information on the survey location and conditions for M3.

Table 7A.3: Location M3 survey location details

Location M3	Description
Location description and OS grid reference (Easting/Northing)	Church Lane, North Killingholme ///grocers.nips.influencing 514655, 417262
Monitoring date and time	22/04/2022 14:45-03/05/2022 13:55
Monitoring height above ground	1.5 m
Distance to nearest building facade	Greater than 3.5 m
Average wind speeds (m/s)	19 mph on set up
Wind direction	NE on set up
Temperature (°C)	14°C on set up
Cloud coverage	0/8 on set up
Sound Level Meter and Serial No.	Rion NL-52 1021280
Field Calibrator and Serial No.	B&K 4321 2217877
Description of the sound climate	Dominated by Phillips 66 refinery. Other sound from power tools at nearby residential properties, birds and wind.

7A.3.2 Plate 7A.3 below shows a photograph of the monitoring location.



Plate 7A.3: Location M3 Church Lane looking away from receptor

7A.4 Monitoring Location 4 (M4) Hazeldene

7A.4.1 Table 7A.4 below provides information on the survey location and conditions for M4.

Table 7A.4: Location M4 survey location details

Location M4	Description
Location description and OS grid reference (Easting/Northing)	Hazel Dene, Marsh Lane, South Killingholme ///sands.inert.shave 517336, 417280
Monitoring date and time	22/04/2022 16:32 – 03/05/2022 14:02
Monitoring height above ground	1.5 m
Distance to nearest building facade	Greater than 3.5 m
Average wind speeds (m/s)	19 mph on set up
Wind direction	NE on set up
Temperature (°C)	14°C on set up
Cloud coverage	0/8 on set up
Sound Level Meter and Serial No.	Rion NL-52 1021278
Field Calibrator and Serial No.	B&K 4321 2217877
Description of the sound climate	Dominated by industrial noise (unable to distinguish between VPI and Phillips 66 industrial noise). Other sources include birdsong, railway traffic, distant road traffic.

7A.4.2 Plate 7A.4 below shows a photograph of the monitoring location.



Plate 7.4: Location M4 Hazel Dene looking away from receptor